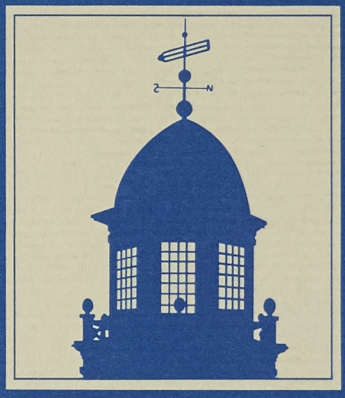
MIDDLEBURY COLLEGE



COURSE CATALOG SUPPLEMENT

1990-91

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anti-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753-6005, (802) 388-3711, is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

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HOW TO USE THIS SUPPLEMENT

This Supplement should be used in conjunction with the *1989–1990 Middlebury College Catalog*. It is intended to reflect, in so far as possible at the time of publication, the curriculum being offered in the *1990–1991 Middlebury College Catalog*. Freshman Seminar listings are excluded, because students currently enrolled at Middlebury are not eligible to register for Freshman Seminars.

Please note the following guidelines to using this supplement:

1. Courses offered in 1990–1991 that are listed in the current *Catalog*, will be listed in this Supplement by course number, course title, term offered and instructor. Most course descriptions are available in the current *Catalog*. Course descriptions will be provided in this *Supplement* under the following conditions:

   a. Course listed in the *1989–1990 Catalog* was bracketed and therefore, description was omitted;

   b. Course description is not the same as the corresponding description printed in the *1989–1990 Catalog;*

   c. Course listed in this *Supplement* is a new course.

2. Courses not offered in 1990–1991 will be listed in brackets [ ] without course descriptions. Courses dropped from the curriculum will not be listed.

3. Foundations courses in this Supplement will be preceded by an asterisk (*).

4. Faculty for the 1990–1991 Academic Year will be listed at the beginning of their departmental section. Those faculty who have not yet been hired are not included.

5. Unless otherwise specified, Department and Program Major Requirements are as stated in the *1989–1990 Catalog*.

FOUNDATIONS COURSES 1990–1991

FOREIGN LANGUAGES DIVISION

CL 121	The Classical Tradition of the Liberal Arts and Sciences	Spring
[CL 131	History of Classical Greece]	
CL 132	History of Rome	Fall
CL 150	The Ancient Epic	Fall
CL 152	Greek Tragedy	Spring
CL 175	Greek Philosophy	Fall
[FL 201	Introduction to Linguistics]	
[FL 206	Thinking Linguistics]	
[FL 226	The West and its Others]	
[FR 115	Realism. French Fiction From Stendhal to Proust]	
[FR 120	Women Writers in France]	
IT 290	Dante: (in English)	Spring
RU 151	Russian Literature's Golden Age: 1830–1880	Fall
RU 152	Russian Modernism: 1880–Present	Spring
[SP 130	Latin American Literature: Chronicles of Change]	
[SP 131	Captains, Kings and Caudillos (in English)]	

HUMANITIES DIVISION

[AL/EL 309	Contemporary Literature]	
AR 190	Monuments and Ideas in the History of Art.	Spring
[EL 110	Continental Fiction]	
[EL 111	European Drama]	
[EL 112	Mythologies Timeless and Timely, Traditional and Contemporary]	
EL/AL 113	Visions of Nature	Spring
EL 114	Reading Women's Writing	Fall
[EL 115	Romance]	
MU 101	Exploring the Art of Music	Fall
PA 150	Introduction to the Philosophical Tradition	Fall, Spring
PA 180	Introduction to Modern Logic	Fall
PA 207	Ethics and Environment.	Fall
[PA 201	Ancient Greek Philosophy]	
PA 212	Introduction to the History of Modern Science	Fall
RE 105	An Introduction to the English Bible	Fall
[RE 110	Foundations of Western Religious Life and Thought.]	
RE 115	Introduction to Eastern Religious Thought	Spring
RE 201	The Jewish Tradition	Fall
RE 220	The Shaping of American Religious Life	Spring
TH 116	The Creative Process: Theatre, Dance, Film	Fall, Spring
TH 130	Film Form and Film Sense	Fall

NATURAL SCIENCES DIVISION

BI 130	Epidemiology: Patterns of Disease	Fall
BI 185	Organismal Biology	Fall
BI 190	General Ecology	Spring
BI 195	Genetics and Evolution	Fall
CH 103	Fundamentals of Chemistry I (With Lab)	Fall, Spring
CH 105	Fundamentals of Chemistry I (No Lab)	Fall, Spring
CH 170	Chemistry for Citizens	Spring
CX 213	Computer Science I	Fall, Spring
GL 104	Earthquakes and Volcanoes	Spring
GL 170	Global Tectonics	Fall
MA 103	Introduction to Computers	Fall, Spring
MA 105	Finite Mathematics: Probability Matrices and Programming	
MA 106	Introduction to Statistical Science	Spring
[MA 227	Set Theory]	Fall
PH 101	Physical Reality	Spring
PH 155	An Introduction to the Universe	Fall

SOCIAL SCIENCES DIVISION

GG 100	Geography: A Modern Synthesis	Fall, Spring
HI 103	Individuals and Organizations	Fall
HI 104	European Revolutions	Spring
PS 101	Introduction to Political Science	Fall
PS 107	Politics and the Studies of Politics	Spring
SA 105	Society and the Individual	Fall
SA 191	Introduction to Women in Social Thought	Fall

DISTRIBUTION REQUIREMENTS

See 1989–1990 Catalog for description of the distribution requirements.

DIVISION OF FOREIGN LANGUAGES

In addition to courses offered in the departments of Chinese, Classics, French, German, Italian, Russian, Spanish, and in the Program in Japanese, the Divison of Foreign Languages offers the following courses which span the boundaries of its separate departments:

[*FL 201 Introduction to Linguistics]

[*FL 206 Thinking Linguistics]

[FL 211 Sociolinguistics]

[FL 212 Psycholinguistics]

[FL 213 Bilingualism]

[FL 225 Sound Patterns in Language]

[FL 226 The West and Its Others]

[FL 295 Germanic Linguistics]

[FL 301 Romance Linguistics]

[FL 312 Introduction to Historical and Comparative Linguistics]

[FL 340 The Art and Craft of Translation]

[FL 405 Franz Kafka]

For additional courses offered in English, see also:

*CS 133	Masterworks of Chinese Literature and Civilization	Spring
CS 216	Traditional Chinese Fiction	Fall

[CS 220 Modern Chinese Fiction]

[CS 225 Classical Chinese Poetry]

[CS 260 Introduction to Literary Theory and Criticism]

*CL 121	The Classical Tradition of theLiberal Arts and Sciences	Spring

[CL 131 History of Classical Greece]

*CL 132	History of Rome	Fall
*CL 150	The Ancient Epic	Fall
*CL 152	Greek Tragedy	Spring
*CL 175	Greek Philosophy	Fall
CL 332	Problems in Ancient History: Civil War	Spring
CL 420	Seminar in Classical Literature	Spring
CL 450	History of Classical Literature	Fall

[FR 112 Humanists and Heroes]

[*FR 115 Realism: French Fiction from Stendhal to Proust]

[*FR 120 Women Writers in France]

FL/FR 125	Picking Things Apart: An Introduction to Cultural Criticism	Spring
FR 143	The Politics and Culture of the French Resistance	Spring
*IT 290	Dante	Spring
JA 216	Traditional Japanese Literature in Translation	
JA 220	The Novel and the Novelist in Modern Japan	
JA 226	Japanese Fiction: Image and Idiom	Fall
*RU 151	Russian Literature's Golden Age (1830–1880)	Fall
*RU 152	Russian Modernism (1880–Present)	Spring
RU 251	Epic, Myth and Ritual in Soviet Literature	Spring
RU 351	Dostoevsky	Spring

[RU 352 Tolstoy]

[RU 353 Russian Theatre]

RU 354	Chekhov	Fall

[RU 356 Russian Literature of the 60's and 70's]

COLLEGE WRITING PROGRAM

Because the ability to express oneself clearly and thoughtfully in writing is integral to a lib-

eral arts education, Middlebury is committed to a program of teaching writing across the curriculum. Within courses in nearly all departments and at all levels of instruction, writing is used as a vehicle for learning and for sharing knowledge. During their Freshman and Sophomore years, all Middlebury students are required to take at least two courses designated as "Writing Intensive." The usual sequence for these courses is a Freshman Seminar in the first semester and a second Writing Intensive course, selected from a wide range of offerings, in the third or fourth semester.

Some students may desire additional work on refining basic skills at the beginning of their college careers. They may elect to take a Writing Program course, WP 100 or WP 101: The Writing Process (see description below) concurrently with the Freshman Seminar in the first semester.

All writers benefit from feedback on work in progress. At the Gifford Writing Center students can schedule individual tutorial sessions with experienced tutors trained to assist them at any phase of a writing assignment.

WRITING PROGRAM COURSES

WP 100 The Writing Process Fall

A writing workshop designed for students who would like extra work on basic skills and for students for whom English is a second language. We will concentrate on the processes involved in writing: from freewriting about a topic to creating and supporting arguments; from revising drafts to polishing a final version. Grammatical issues will be discussed. This course does not fulfill the College Writing requirement (permission of instructor).

Mrs. Pack, Mrs. Skubikowski

WP 101 The Writing Process Spring

Same as WP 100, above Mrs. Pack

THE FIRST WRITING INTENSIVE COURSE: FRESHMAN SEMINAR

For course listing, see Freshman Seminar Program.

THE SECOND WRITING INTENSIVE COURSE:

After completing a Freshman Seminar, every student must elect within the next three semesters, at least one course designated as a Writing Intensive course. (A Writing Intensive course taken concurrently with a Freshman Seminar does not satisfy the requirement.)

These Writing Intensive courses are designed to continue developing and improving the skills of written communication addressed in the Freshman Seminars. They are taught in sections of limited enrollment, require frequent written assignments, and proceed through close revision of papers, class discussion of both particular and general problems of writing and, as necessary, individual conferences. Satisfactory completion of one of these Writing Intensive courses is a graduation requirement. Students who have completed one Writing Intensive course may elect a second, different course in the Program, space permitting. In 1990 – 1991, the courses that satisfy the requirement include those listed below. For full descriptions see the entries under individual departments of instruction.

AMERICAN LITERATURE AND CIVILIZATION

AC 103 American Values and the Revolution Spring

AL 103 Telling about the South Spring

BIOLOGY

BI 111 Writing on Nature Spring

CHEMISTRY

CH 170 Chemistry for Citizens Spring

ECONOMICS

EC 150C Introductory Macro Economics Fall

EC 155A Introductory Micro Economics Fall

ENGLISH

EL 107 Journal and Essay Fall, Spring

EL 160 The Structure of Nonfiction Fall, Spring

EL 173 The Structure of Fiction and Poetry Fall, Winter Term, Spring

EL 203 Interpretation of Literature Fall, Spring

FRENCH

FR/FL 125 Picking Things Apart: An Introduction to Cultural Criticism Spring

FR 229 Introduction to French Prose Fall, Spring

GEOLOGY

GL 201 Bedrock Geology of Vermont Fall

GERMAN

GN 350 History of Modern German Drama Fall

HISTORY

HI 103W The Revolutionary Tradition Fall

HI 339 History of Southern Africa Spring

PHYSICS

PH 201 Relativity and Quantum Physics Fall

RUSSIAN

RU 354 Chekhov (In English) Fall

RU 351 Dostoevsky (In English) Spring

SOCIOLOGY/ ANTHROPOLOGY

SA 302 The Research Process - Anthropology Fall

SPANISH

SP 219A Self Expression in Spanish Fall

THEATRE, DANCE, and FILM/VIDEO

TH 106 Introduction to Drama Study Fall

TH 206 Contemporary Women Playwrights Spring

TH 218 Playwriting I Fall

TH/EL 240 Screenwriting Workshop I Fall, Winter Term

AMERICAN LITERATURE AND CIVILIZATION

Professors: Stephen Donadio, John McWilliams (chair) *Assistant Professors:* Karl Lindholm, Brett Millier, Kenneth Myers, Timothy Spears

The American Civilization major will be directed by Professors McWilliams and Spears.

See 1989–1990 Catalog for complete description of departmental program and requirements for the American Literature major.

AMERICAN LITERATURE

COLLEGE WRITING PROGRAM

AC 103 and AL 103 satisfy the College Writing requirement

AC 103 American Values and the Revolution (CW) Spring

The creation of the United States of America was a violent revolutionary act that needed to be justified by visions of a better future. In this course, we shall study closely the images of the good life in America that were advanced by leaders and observers of the Revolution of 1776. We shall consider whether the founding fathers had a consistent, practicable view of the New World's future. Why did they imagine America as they did? Of what importance are their ideas today? Mr. McWilliams

AL 103 Telling About the South (CW) Spring

An introduction to the dynamic presence of the past in twentieth century Southern literature and culture. We shall look at several kinds of writing about the South: novels, short stories, folklore, critical essays, and autobiographies. Writers to be studied will include the Southern Agrarians, William Faulkner, Zora Neale Hurston, Richard Wright, Robert Penn Warren, Eudora Welty, Flannery O'Connor, and Walker Percy. We will also examine other forms of storytelling, such as photography and music. Mr. Spears

COURSE LISTINGS

[AL 200 Reading and Writing about Literature]

AL 201 American Literature: 1620–1830 Fall
Mr. McWilliams

AL 202 American Literature: 1830–1865 Fall
Mr. Myers

AL 203 American Literature: 1865–1940 Spring
Mr. Spears

[AL 240 American Autobiography]

AL 260 Fiction by American Women Fall

A survey of fiction by American women in the contexts of women's changing roles in American society, the rise of feminism, and the emergence of minority voices. We will read novels and short stories by Stowe, Willis, Chopin, Glasgow, Hurston, Didion, French, Erdrich and Morrison. Mr. McWilliams

AL 301 The American Novel: I Fall

The development of the American novel in the 18th and 19th centuries, including works by Rowson, Brown, Cooper, Hawthorne, Stowe, Melville, Twain, James, Frederic, Howells, and Chopin. (Open to juniors and seniors only) Ms. Millier

AL 302 The American Novel: II Spring

The development of the American novel in the first half of the 20th century, including works by Wharton, Dreiser, Cather, Hemingway, Fitzgerald, Faulkner, West, Hurston, Wright, Bellow and Nabokov. (Limited to 70 juniors and seniors. Prerequisite: AL 301 or permission of the instructor before registration.) Mr. McWilliams

[AL 306 American Poetry: 1620–1920]

AL 307 American Poetry: 1920–Present Spring

American poetry from the first generation of modernists to the present. Particular attention will be paid to the poetry of Eliot, Williams, Stevens, Bishop, Lowell, Berryman and Rich. Ms. Millier

[*AL/EL 309 Contemporary Literature]

[AL/AC 340 Regionalism]

AL 355 African–American Narrative Spring

An introduction to the major works in the African–American literary tradition. Particular attention will be given to slave narratives by Frederick Douglass and Harriet Jacobs, James W. Johnson's *Autobiography of an Ex–Coloured Man*, Zora N. Hurston's *Their Eyes Were Watching God*, Richard Wright's *Native Son*, Ralph Ellison's *Invisible Man*, Toni Morrison's *The Bluest Eye*, and Ishmael Reed's *Mumbo–Jumbo*. Mr. Myers

[AL 356 Topics in Afro–American Literature]

AL/AC 360 American Culture in the 1960's Spring

See listing under AC/AL 360 for course description. Mr. Donadio

AL 450 Seminar in Major Authors: Emerson and Thoreau Spring

Intensive study of a single author or two closely related authors. Readings will include secondary sources. A lengthy term paper will be required. AL 450 may be taken twice for credit. Mr. Myers

AL 500 Special Research Fall, Spring Staff

AL 700 Senior Research Fall, Spring Staff

AL 704 Senior Seminar Fall

Group discussion of selected works of twentieth century fiction and poetry drawn from the required reading list for majors. Both oral presentations and written work will be required Ms. Millier

AMERICAN CIVILIZATION

Directors of the Major: Mr. McWilliams and Mr. Spears

See the 1989–1990 Catalog for the Requirements for the Major.

MAJOR FIELDS IN AMERICAN CIVILIZATION

Please make the following changes:

TWENTIETH–CENTURY AMERICA

Add :

AC 360 American Culture in the 1960's

WOMEN AND MINORITIES

Add:

AC 103 The North American Indian

THE AMERICAN ENVIRONMENT

Delete:

AL 340 The American Wilderness

Add:

AL 201 American Literature: 1620–1830

COURSE LISTINGS:

AC 103 American Values and the Revolution Spring

See College Writing Courses listed at the beginning of American Literature course listings for description. Mr. McWilliams

AC 220 Topics in American Civilization: Commercial Life in America, 1865–1950 Fall

By the 1920's, advertising and salesmanship seemed the very foundations of American prosperity and success. But while some Americans welcomed the triumph of modern business enterprise, others lamented the power of the marketplace and condemned the impact of commercial customs on national values. Ranging widely over business and advertising history, "how to" manuals, and imaginative literature, we will trace the evolution of commercial culture from an insider's perspective, study the ways in which late–nineteenth and early–twentieth century writers and artists represented that culture, and examine the historical and social tensions that accompanied the emergence of a consumer economy. (Enrollment limited to 35.) Mr. Spears

AC/TH 234 American Film Genres Spring

See Theatre, Dance, and Film/Video Listings for details. Mr. Grindon

[AC 330 Studies in American Civilization: America Comes of Age, 1920–1960]

AC/AL 360 American Culture in in the 1960's Spring

An exploration of cultural patterns emerging in a decade of continuing turbulence and radical change. The course will focus on significant developments in popular culture, the visual arts, literary form and political expression. Among the topics considered are presidential campaigns, the Berlin crisis, the Cuban missile crisis, the space program, the Civil Rights movement, the Black Power movement, the Vietnam War protests, student uprisings, Pop Art and minimalism, and the assassinations of prominent public figures. In addition to class meetings, the course requires attendance at weekly screenings of a variety of documentary and fiction films. Independent research and several papers required. Primary readings include works by Bellow, Mailer, Heller, Baldwin, Malcolm X, Updike, Pynchon, Lowell, Ginsberg, Ashbery, Wolfe and Didion. (Enrollment limited to 70 students. Permission of the instructor required before registration)

Mr. Donadio

AC 400 Seminar in American Civilization (Junior Year): Modernization and the American Scene, 1880–1930 Fall

A study of modernity, as illustrated by perceptions of changes in the built environment. In exploring the relationship between landscape and perception, we will examine not only how Americans adjusted to rapid physical transformation, but also how they endeavored to shape the space around them. Topics to be examined include technology, urbanization, gender, wilderness, and travel. Primary sources will consist of contemporaneous fiction and non–fiction, slides and films. Selected historical and theoretical works will also be assigned.

Mr. Spears

AC 500 Independent Study Fall, Spring

Staff

AC 700 Senior Essay/ Senior Thesis Fall, Winter

Staff

AC 704 Seminar in American Civilization (Senior Year): Television in American Culture Spring

An assessment of some of the transformations produced by television in American cultural life over the past four decades. Focusing on a sequence of historical and theoretical studies, our discussions will seek to locate the evolution of this pervasive medium within a larger context of modern developments in transportation and communication - a context which registers the far–reaching social impact of such earlier technological innovations as the telegraph, motion pictures, and radio broadcasting. Among the issues to be considered are the precise nature of the television medium, the conceptions of continuity and coherence associated with it, its representation of and influence on historical events, the relation of its emphases to the demands of advertising, its implications in the area of education, its bearing on the question of literacy, and its effect on the concerns and ambitions of contemporary artists. (Open to non-majors with prior permission of the instructor.)

Mr. Donadio

ART

Professors: Glenn Andres, David Bumbeck, John Hunisak. *Associate Professors:* James Butler, David Napier, Eric Nelson, Richard Saunders (College Curator), Christopher Wilson. *Assistant Professors:* John Huddleston, Kirsten Powell, *Visiting Assistant Professors:* Cynthia Packert, Jen–Mei Ma *Artists–in–Residence:* Fall; Marina Adams, Spring; Lindsay Walt

See 1989–1990 Catalog for Description of Department Program and Requirements for a Major. Note the following changes:

Change the first sentence of the second paragraph on requirements to the following:

Beginning work is required in both areas of the department: AR 101, AR 102 and AR 103 or 104 (Art History Surveys) and AR 209, AR 210 (Studio Art I & II).

Satisfactory completion of these courses qualifies a student for the major, which may then be completed in any of three ways:

Art History Emphasis: Substitute requirements with the following:

At least four additional courses of choice in art history (it is strongly recommended that these be distributed among several historical periods or traditions and be taken at a mix of levels — i.e. 200, 300, 400); AR 700 (fall of senior year); and two terms of AR 710 (senior thesis, winter and spring). *Recommendation:* Graduate schools of art history require students to pass reading examinations in both French and German.

Studio Emphasis: Four additional studio courses and two additional courses in the history of art, plus senior work, which consists of three terms of AR 720 to carry out a sustained studio project. All senior studio majors are required to present an exhibition of their work during their senior year.

Architecture Emphasis: Two additional courses in the history of art (it is strongly recommended that these deal specifically with issues of architecture, urbanism, or contemporary art), two additional studio courses, and two terms of AR 730 (senior work), during fall and winter, in architectural design. *Recommenda-*

tion: Graduate schools of architecture expect candidates to have taken two semesters each of math and physics.

AR 101 History of Art I: Ancient to Renaissance Fall

An historical survey of western art (painting, sculpture, and architecture) from its ancient origins, through the great classical traditions and the early Christian and medieval eras, to the Early Renaissance in Italy and in northern Europe (up to approximately 1500 A.D.). This course will cover the historic evolution of the arts, surveying major monuments and ideas, and providing tools for approaching and dealing with those monuments in a critical fashion. Two lectures and one discussion section per week. Mr. Wilson

AR 102 History of Art II: 1500 to the Present Spring

A continuation of the historical survey of western art (painting, sculpture, and architecture), from the High Renaissance through the modern era. This course will present not only major historical movements and monuments, but also examine the intellectual and critical issues that they embody. Two lectures and one discussion per week. (AR 101 recommended but not a prerequisite.)
Mr. Andres, Ms. Powell

AR 103 Introduction to Asian Art Spring

As an introduction to the art of the Far East, this course will examine the painting, sculpture, architecture, and decorative arts of India, Southeast Asia, China and Japan. Works of art will be studied in terms of style, iconography, and social and historical context. Two lectures and one discussion per week. Ms. Ma

AR 104 History of Art IV: "Primitive" Art Spring

Course description is the same given for AR 115 (Introduction to 'Primitive' Art) listed in the *1989–1990 Catalog*. Ms. Packert

***AR 190 Monuments and Ideas in the History of Art** Spring

This course is designed for those students who might be curious to learn about art and art history but do not wish to take one of the chronological survey courses. Instead of comprehensive coverage of eras or movements, the focus will be on individual monuments (buildings, paintings, works of sculpture) chosen from various cultures and historical means of investigation used to comprehend them as objects and delve into their meaning as cultural manifestations. Two lectures, one discussion.
Mr. Hunisak

AR 200 Renaissance Architecture Fall

A selective survey of Renaissance architecture from the 14th through the 16th centuries, stressing major monuments, masters, concepts, and styles. Mr. Andres

[AR 201 Art of the Italian Renaissance]

AR 202 Modern Art Spring
Ms. Packert

AR 205 Painting and Sculpture of Nineteenth Century Europe Spring

During the 19th century, Paris was the capital of the art world, and the structure of this course will be based upon that central, undeniable fact. From the revolutionary 1780's until the Exposition Universelle of 1900, we will consider 19th century painting and sculpture primarily as a Parisian phenomenon, with detours to other countries and cultural centers whenever appropriate. (Formerly AR 305)
Mr. Hunisak

[AR 207 American Art: 1750–1900]

AR 209 Studio Art I Fall
Ms. Adams, Mr. Bumbeck, Mr. Butler, Mr. Huddleson

AR 210 Studio Art II Spring
Mr. Bumbeck, Mr. Huddleston, Ms. Walt and Staff

AR 211 American Design Spring

A history of architecture and the minor arts in America from its colonization through the mid–20th century. Mr. Andres

AR 216 Art of the Middle Ages Spring

A survey of European art and architecture from the fall of Rome to the late thirteenth century. Among the topics to be discussed are: Irish monasticism and its art forms, Romanesque art and architecture, and the great gothic cathedrals of Chartres, Bourges, Paris, Reims and Amiens. In addition to examining the structural principles of Romanesque and Gothic architecture, we will discuss the development of medieval sculpture and iconography. Other topics to be considered are the design of stained glass windows, illuminated manuscripts, and late medieval tapestries.
Mr. Wilson

[AR 219 Ancient Art]

AR 220 The Art of the City Fall

A study of humanity's most complex and critical physical monument. The city (historical and ideal) will be surveyed from antiquity to the present in an investigation of changing purposes, elements, and organization. (Formerly AR 307.) Mr. Andres

AR 221 Buddhist Art: The Journey of the Three Jewels Fall

An introduction to the basic styles, ideals and principles of Buddhist art. The art of Buddhism is broadly international in scope; we will consider such themes as its origin in its Indian homeland, its spread through Tibet, Central Asia, China, Korea,and Japan, and its extensions in Sri Lanka and Southeast Asia. Emphasis will be on understanding the distinctive variations in style and iconography created during its journey across Asia. Topics include: the development of the Buddha image, Buddhist iconography, religious painting and sculpture, cave and temple architecture, ritual diagrams, and Zen painting and gardens. Ms. Packert

[AR 301 Modern Architecture]

AR 302 Baroque Art: Painting, Sculpture and Architecture of Seventeenth Century Rome Fall

During the period to be considered, Rome was the undisputed capital of the art world. From the vast projects of Pope Sixtus V to the death of Bernini, we will investigate the richness, diversity and splendor of artistic creation under a Church Triumphant. Mr. Hunisak

[AR 303 Northern Renaissance Art: 1300–1600]

[AR 304 Northern Baroque Art]

[AR 306 Masterpieces of Chinese and Japanese Painting]

AR 308 Late Modern Art Fall

An investigation of the leading figures and movements in American modernism. We will consider developments in painting and sculpture from the Armory Show to the present, although special emphasis will be placed on the period between 1945 and 1980. Attention will be given to the theoretical issues that have influenced such directions as Abstract Expressionism, Color Field Painting, Pop Art, Assemblage, Minimal Art, Photo– and Super–Realism, Conceptual Art, and other recent developments. Ms. Powell

AR 309 Painting Fall
Mr. Butler

AR 310 Painting Spring
Staff

[AR 311 The Home of the Heroes: The Art and Archaeology of the Aegean Bronze Age]

[AR 312 Roman Art]

AR 313 Masterpieces of Japanese Painting Fall

Using a selected group of Japanese masterpieces paintings (from Heian, through Kamakura and Muromachi into Edo Periods) as basic materials, this course aims at an in–depth discussion of Japanese paintings inthe light of their aesthetic, historical, and cultural context. (Prerequisite AR 103 or consent of instructor.) Ms. Ma

[AR 319 Sculpture]

[AR 320 Sculpture]

[AR 321 Indian and Indonesian Art]

[AR 322 Eighteenth Century Art and Architecture

AR 323 Women in the Visual Arts, 1700 to the Present Spring

This course will consider the topic of women in the visual arts primarily from the standpoint of representations of women in painting and sculpture from the Rococo to the present. We will examine a wide variety of ways in which women have figured as subjects, ranging from portraits of Queen Victoria, to allegorical representations of Liberty, to paintings of laundresses and prostitutes. In addition, we will also look at the works and careers of a selected group of women artists active during the period considered, including such figures as Elizabeth Vigee–Lebrun, Mary Cassatt, Julia Margaret Cameron, Paula Modersohn–Becker, Lee Krasner, Helen Frankenthaler, and artists currently active. Ms. Powell

AR 325 Special Problems in Art History: Biography of Artists as Art Historical Method Fall

From the Renaissance onward, art history was often equated with "lives of the artists," but the use of biographical evidence in art historical writing has frequently been regarded with suspicion during the 20th century. Recently there has been a resurgent interest in incorporating evidence and insights gleaned from the biographies of artists to illuminate the meaning of art works. This recent trend will be the focus of this course. Among the artists whose work will be scrutinized in the light of biographical evidence will be Donatello, Michelangelo and Bernini, as well as Watteau, Rodin, Van Gogh, Cezanne, and O'Keeffe. Mr. Hunisak

AR 327 Photography Fall
Mr. Huddleston

AR 328 Photography Spring
Mr. Huddleston

[AR 401 Seminar in Modern Art]

[AR 403 Seminar in Modern Architecture]

[AR 405 Seminar in Baroque Art]

AR 407 Seminar in American Art: Winslow Homer Spring

An examination of the life and work of the American painter Winslow Homer. Although generally regarded as a popular painter of American life, Winslow Homer through his paintings often provides a penetrating and sometimes disturbing view of post–Civil War America; images of childhood in the Gilded Age; the hunter and the hunted; and man and his relationship to the sea. (Some work in American art and/or culture recommended but not required.) Limited to 12 students.

Mr. Wilson

AR 409 Art Museums: Theory and Practice Spring

Mr. Saunders

[AR 410 Seminar in Iconography]

AR 520 Advanced Studies in Studio

Staff

AR 700 Methods and Theories in the Visual Arts Fall

This seminar course is geared to the needs of art history majors and is required of them. Our focus will be on the critical understanding of the range of methods employed in art historical research and writing. Through a series of readings and related projects, students will have the opportunity to develop expertise in art historical methodology; these will service as preparation for senior thesis work. Topics include: history of the discipline, social history, the role of verbal commentary (artists' statements, critical and historical writings) in the interpretation of artworks, the relationship between text and image, aesthetics, semiotics, deconstruction, and feminism. Ms. Packert

AR 710 Senior Independent Study in Art History Winter, Spring

Staff

AR 720 Senior Independent Study in Studio Staff

AR 730 Senior Independent Study in Architectural Design Staff

BIOLOGY

Professors: C. Randall Landgren, George Saul, Christopher Watters (chair). *Associate Professors*: Tom Root, Stephen C. Trombulak. *Assistant Professors*: Sallie Sheldon, Pamela Small (on leave all year). *Visting Assistant Professors*: Robert Cluss, Robert Creed. *Howard Hughes Medical Institute Fellow*: Natalina Marano. *Assistant*: H. Peter Wimmer.

See 1989–1990 Catalog for description of departmental program and requirements for a Major. Note the following changes:

Changes in Major Requirements:

– paragraph 5; first and third sentence: substitute "7 elective courses" with "either BI 440 or BI 401, 6 elective courses...".

– Change the last sentence of paragraph 5 to: "At least four electives must be chosen from those offered at the 200– or 300– level; the remaining 2 may include independent study (BI 500 or BI 600), advanced summer research (BI 555), and one winter term course designated for major credit.

Delete "with chemistry and" from the first sentence of paragraph *6*.

Required for a Major: BI 185, BI 190, BI 195, BI 250, BI 400 or BI 391, 6 electives in Biology (4 from BI 201 or BI 480) and 4 cognates. Required for a joint biology/psychology major – see description under Department of Psychology.

Honors Program: Students with an average of 3.0 or better in department courses other than BI 500 and BI 600 may apply for departmental honors after taking Research in Biology (BI 400). Remainder of requirements are the same as listed in the *1989–1990 Catalog*.

Before Premedical, Predental and Preveterinary Requirements, add:

See Also Major in Molecular Biology and Biochemistry.

[BI 102 Science in Science Fiction]

BI 105 Molecular Biology and Society Fall

Issues involving applications of molecular biology are very much in the news these days. An understanding of molecular biology is important for making informed decisions on these issues. This course will focus on the following topics: recombinant DNA and monoclonal antibody technologies and their uses in medicine, agriculture and forensics; AIDS; and cancer and carcinogens. We will study their molecular basis and their impact on society – the moral and political as well as the scientific concerns. A background in science is not necessary; a goal of this course is to develop the scientific background to make informed decisions. Discussion of the various issues will be a major part of the classes. 2 hrs. lect., 1 hr. disc. Limited to freshmen and sophomores; juniors and seniors may enroll during the Fall, with permission. Ms. Marano

BI 111 Writing on Nature (CW) Spring

Mr. Landgren

BI 130 Epidemiology: Patterns of Disease Fall

Mr. Cluss

BI 185 Organismal Biology Fall

A survey of the life histories and developmental mechanisms of organisms from the simplest microscopic forms of life through plants and animals. We will examine the different evolutionary lines of organisms and study selected groups of plants and animals in terms of their life cycles and aspects of morphology, physiology, behavior and evolution. Then we will study the ways in which various stages in selected life histories change, focusing on gametogenesis and such early developmental events as fertilization, embryogenesis and organogenesis. We will also examine such phenomena as regeneration and cancer. Laboratories will include field trips to study the local flora and fauna and lab work on the systematics, structure and development of organisms. 3 hrs. lect., 3 hrs. lab (closed to students who have taken BI 125 or BI 175).

Mr. Root, Mr. Watters

BI 190 General Ecology Spring

Why are big fierce animals so rare? If you are a plant, is it better to be an annual or flower year after year? What is the nature of the interaction between a gray whale and the barnacles that attach to it? Can biological control of pest species be successful? This course for non–majors and majors is an introduction to organisms in their environments, including consideration of physiological adaptations, behaviors and reproductive strategies. We will explore the diversity of interactions between species and their role in the organization of communities. At the end of the course we will examine the impact of humans on environments. Most laboratories will be conducted outside and focus on examining local organisms and habitats. (Open to junior or senior majors by permission only). 3 hrs. lect., 3 hrs. lab. Ms. Sheldon

BI 195 Genetics and Evolution Fall

Mr. Saul, Mr. Trombulak

[BI 201 Invertebrate Biology]

(Offered in Fall 1991)

BI 202 Vertebrate Life Spring

Mr. Trombulak

BI203 Introduction to Botany Fall

Mr. Landgren

BI 216 Animal Behavior Fall

The behavior of animals and humans studied from the perspectives of genetics, physiology, evolution and other biological determinants. Following an introduction to the history and methods of animal behavior, the course will examine individual and social behaviors such as feeding, courtship, mating, parental care, defense and migration. We will use examples of live animals from field trips and lab studies to illustrate such processes as instinct,learning, displacement, imprinting and communication. Recent controversies about behaviorism, intelligence and sociobiology will serve as discussion topics, and students will design their own research projects.3 hrs. lect., 3 hrs. lab. (BI 125, BI 175 or BI 190.)

Mr. Root

BI 225 Human Genetics Spring

The analysis of family histories and the genetic structure of human populations, using standard analytical procedures and special procedures developed for situations in which family sizes are small and crosses cannot be controlled. Topics include analysis of patterns of inheritance in pedigrees, gene action, effects of changes in structure and number of chromosomes, and analysis of the genetic structure of populations. Laboratory discussion sessions will involve experiments and discussion of assigned problems. (BI 125 or BI 175 or BI 195 or permission). 3 hrs. lect., 2 hrs lab/discussion.

Mr. Saul

BI 250 Organelles and Cells: An Introduction to Concepts and Methodology Spring

Add the following sentence to the description: "Open to junior and senior majors by permission only." Mr. Saul, Mr. Watters

BI 302 Vertebrate Natural History Fall

This course deals with the natural history of vertebrates and the challenge of observing animals in their own habitat. We will explore in depth the local vertebrate fauna, study principles of wildlife biology, and address experimentally specific questions in vertebrate biology. Topics considered will include environmental physiology, population and community ecology, and behavior. Students will learn to design and communicate the results of experiments to answer their own questions about the biology of free–living animals. Laboratory work will involve both day and weekend field trips. 6+ hrs. disc./lab. (BI 202 or permission.)

Mr. Trombulak

BI 303 Plant Morphology and Physiology Spring

Mr. Landgren

BI 310 Microbiology Spring

Mr. Cluss

BI 314 Molecular Genetics Fall

Mr. Cluss, Mr. Saul

BI 325 Applied Genetics Spring

Experiments designed to introduce some organisms and techniques used in the study of prokaryotic and eukaryotic genetics.Topics include recombination and deletion mapping, tetrad analysis, epistasis and gene interaction, bio-

synthetic pathway analysis, complementation and the effects of chromosome aberrations. Training in data analysis and reporting experimental work will be provided.This course complements the lecture courses in genetics and is especially important for students who plan to continue their studies in genetics after graduation. (BI 195 or BI 225). 6 hours discussion and lab. Mr. Saul

[BI 330 Pathogenic Microbiology]
(offered during Spring, 1992)

BI 340 Immunology Spring

This course will examine the functioning of the immune system. Topics to be covered include the cells of the immune system, anti–body structure and function, other important molecules in the immune response, development and regulation of the immune system, how the immune system works to prevent disease, and consequences of its malfunction. The laboratory will focus on immunochemical techniques which are used in many areas of biology and medicine. (BI 250 or CH 322)3 hrs. lect., 3 hrs. lab. Ms. Marano

BI 360 Practical Cell Biology Fall
Mr. Watters

BI 370 Human and Animal Physiology Spring
Mr. Root

BI 390 Advanced Ecology Fall

This course builds on the ideas presented in BI 190 and deals in greater depth with population ecology, demography, life history strategies, species interactions, community structure and dynamics. For each of these topics we will examine its theoretical basis and examine results from field and lab experiments. (MA 112, BI 190.) 3 hrs. lect., 1 hr. disc.
Ms. Sheldon

BI 391 Methods in Ecology Fall

In this course we will focus on the means by which ecologists attempt to address and answer questions regarding the distribution and abundance of organisms. Students will be exposed to a variety of sampling and experimental methods employed by field biologists and have the opportunity to evaluate many of these methods. As a class we will conduct one or two field exercises involving both sampling and experimental design. There will also be independent projects. Field work will emphasize sampling in aquatic and terrestrial systems and we will work at the High Pond field station. Many field labs will extend into the weekend. With the data we collect we will perform data analysis, interpretation and presentation. The theoretical framework for this course will be presented in BI 390. (BI 190 and BI 201 or BI 202 or BI 203;BI 390 as pre– or corequisite. 3 hrs.lecture/ discussion and 3 hrs. lab plus field trips.
Mr. Creed

BI 400 Research in Biology Fall

An advanced seminar and laboratory or field experience dealing with the theory and practice of biological research. Faculty and students will participate in weekly meetings, examining research philosophies, experimental design, methods of collecting and analyzing data, and the composition of research proposals and papers. With faculty advice, students will initiate their own projects and prepare oral and written presentations of their research. Required of all senior majors planning thesis research.
Staff

BI 401 Concepts of Adaptation and Evolution Spring

An advanced seminar dealing with the primary biological literature in molecular and cellular biology, organismal biology and ecology and environmental biology. Faculty and students will participate in weekly discussions of problems of current interest and importance. With faculty advice each student will research the primary literature and prepare a seminar, a literature review and a critical analysis, on topics of choice. Required of all senior majors and joint majors who have not taken BI 400.
Staff

BI 500 Independent Study
Fall, Winter, Spring
(formerly Advanced Study) Staff

BI 900 Research and Thesis
Fall, Winter, Spring

MAJOR IN MOLECULAR BIOLOGY AND BIOCHEMISTRY

Professors: George Saul (Biology), Christopher Watters (Biology). *Associate Professors:* Jane Margaret O'Brien (Chemistry and Biochemistry), Stephen Sontum (Chemistry and Biochemistry). *Assistant Professors*: Jeffrey Byers (Chemistry and Biochemistry) (on leave all year), Honorée Fleming (Chemistry and Biochemistry) (Coordinator), Nadia Marano (Howard Hughes Medical Research Fellow), Robert Cluss (Biology), Pamela Small (Biology) (on leave all year), and Steven Walstrum (Chemistry and Biochemistry).

The program in Molecular Biology and Biochemistry represents a unique instructional effort between members of the Department of Biology and the Department of Chemistry and Biochemistry. The major is designed for students with overlapping interests in biology and chemistry. Students receive a strong foundation in cellular biology, genetics and biochem-

istry, and those completing the major should be well–prepared for medical school, graduate studies in biochemistry, cellular or molecular biology, or employment in biotechnical research.

The major in molecular biology and biochemistry is composed of 14 required courses and 2 electives. Students may be able to by–pass introductory courses in Biology, Chemistry, Math or Physics on the basis of AP credit or proficiency exams.

Suggested Schedule:

Freshman year

Fall

Evolutionary Biology and Genetics Genetics (BI 195)
Fundamentals of Chemistry I (CH 103)
Calculus I (MA 112)

Spring

Cells and Organelles (BI 250)
Fundamentals of Chemistry II (CH 104)
Calculus II (MA 113)

Sophomore year

Fall

Molecular Genetics (BI 314)
Organic Chemistry I (CH 241)

Spring

Introduction to Microbiology (BI 310)
Organic Chemistry II (CH 242)

Junior year

Fall

Biochemistry (CH 322)
Mechanics (PH 109)
Practical Cell Biology (BI 360) or **Physical Chemistry (CH 353)** [Spring]

Spring

Electricity and Magnetism (PH 110)
Physical Chemistry (CH 353) or **Practical Cell Biology (BI 360)** (Fall)

Senior year

Senior thesis research and/or electives

Electives include:

Independent Studies in Biology or **Chemistry (BI 500, CH 500)**
Applied Genetics (BI 325)
Physical Chemistry I (CH 351)
Intermediary Metabolism (CH 425)
Immunology (BI 340)
Advanced Chemistry Laboratory (CH 313)

Winter term offering in Membrane Biology, Genetics, Organelles, Molecular Pathogenesis

CHEMISTRY AND BIOCHEMISTRY

Professor: Robert W. Gleason. *Associate Professors:* James A. Larrabee, J. Margaret O'Brien, Stephen F. Sontum (chair). *Assistant Professors:* Jeffrey H. Byers (on leave all year), Sunhee Choi. *Visiting Assistant Professors:* Honorée Fleming, Steven A. Walstrum.

The courses available to students in our department provide a firm foundation in the principles of chemistry along with the opportunity to focus on a particular area of interest within analytical, inorganic, organic, physical or biological chemistry. Students are encouraged to complete the core courses of general chemistry, organic chemistry, math and physics within the first two years. These core courses taken by our majors also cover many of the specific requirements needed for premedical, preveterinary or predental programs.

The students then elect to specialize in Chemistry or in Biochemistry and will, on that basis choose upper level courses which focus on the theory and methodology essential to modern chemistry or biochemistry. Required courses and electives for these two specialities are as follows:

Core courses: CH 103*, CH 104, CH 241, CH 242, MA 112*, MA 113*, PH 109*, PH 110*. These courses are required for all chemistry majors.

Chemistry specialization: core courses, CH 311, CH 312, CH 351, CH 352, CH 431 and three electives in the Chemistry and Biochemistry department.

Biochemistry specialization: core courses, CH 311, CH 313, CH 322, CH 353, CH 425 and three electives chosen, with an advisor's approval, from the Departments of Chemistry and Biochemistry or Biology. *See also Major in Molecular Biology and Biochemistry, listed between Biology and Chemistry in this catalog.*

*Students may qualify to place out of, and receive credit for, starred courses by achieving a satisfactory level on the Advanced Placement Examination of the Educational Testing Service. It is also possible for students to place out of CH 103 by achieving an appropriate grade on an examination administered by the Chemistry Department at the beginning of each term.

A recommended program of study for those considering Chemistry or Biochemistry as a major is shown below. Though students may deviate from this guide, it is imperative that students considering or planning to pursue one of the majors complete CH 104 by the end of the freshman year.

Chemistry

Freshman		Sophomore	
Fall	Spring	Fall	Spring
CH 103	CH 104	CH 241	CH 242
MA 112	MA 113	PH 109	PH 110
Junior		Senior	
Fall	Spring	Fall	Spring
CH 311	CH 312	CH 400	CH 700
CH 351	CH 352	elective	CH 431

Biochemistry

Freshman		Sophomore	
Fall	Spring	Fall	Spring
CH 103	CH 104	CH 241	CH 242
MA 112	MA 113	PH 109	PH 110
Junior		Senior	
CH 311	CH 313	CH 400	CH 700
CH 322	CH 353	CH 425	elective

An important feature of the Chemistry and Biochemistry program is the opportunity for students to work independently during their junior and senior years. Students may take several units of independent study (CH 400, CH 500, CH 700 and CH 750), two of which may be counted toward filling the elective requirements for the major. There is an exciting range of possibilities for student research in synthetic organic chemistry, in bioinorganic chemistry, in physical and in biophysical chemistry, in protein and in nucleic acid biochemistry. These fields represent the diverse interests of the faculty in this department. Independent research provides students with the opportunity to interact with a faculty member on a one-to-one basis as they learn to frame questions about a particular experimental system, plan and execute experiments to answer those questions, and analyze and structure their results. First–hand experience with the scientific method adds an important dimension to the undergraduate experience whether the student plans to go to professional school, to graduate school or directly into a teaching or industrial position. Student research papers are frequently accepted for publication in professional journals.

The department of Chemistry and Biochemistry is accredited by the American Chemical Society and majors taking two units of CH 400, CH 500, CH 700 or CH 750 electives will receive certified degrees upon graduation.

To be eligible for graduation honors in chemistry, a student must have at least a 3.0 average in all courses in the department, excluding independent study courses. In addition, the student must take at least one unit of CH 700 and present and defend a thesis before a committee of at least three faculty members. The degree of honors (honors, high honors or highest honors) is determined by the student thesis committee and will depend on the students average in all chemistry courses and the students CH 700 grade.

CH 700 Grade	*Chem GPA*	*Degree of Honors*
B+	3.05–4.0	Honors
A–to A	3.33–4.0	High Honors
A	3.77–4.0	Highest Honors

***CH 103 Fundamentals of Chemistry I** Fall, Spring
Mr. Gleason (Fall)
Mr. Walstrum (Spring)

***CH 105 Same as CH 103 but without the laboratory**

CH 104 Fundamentals of Chemistry II
Mr. Sontum (Fall)
Mr. Larrabee (Spring)

CH 106 Same as CH 104 but without the laboratory

***CH 170 Chemistry for Citizens (CW)** Spring
Ms. Fleming

[CH 230 Bioinorganic Chemistry]

CH 241 Organic Chemistry I
Fall, Winter

An introduction to the structure and reactivity of organic molecules. Topics covered include chemical nomenclature, bonding, structure, acid–base relationships, mechanistically simple reactions, and theoretical aspects of structure determination. Laboratory exercises include "hands–on" introductions to techniques such as distillation, crystallization, chromatography, polarimetry, and modern spectroscopic techniques such as NMR and IR. (CH 104 or permission; CH 241 must precede CH 242.) 3 hrs. lect., 6 hrs. lab. Breakage fee.
Mr. Gleason (Fall)
Staff (Winter)

CH 242 Organic Chemistry II Spring

A continuation of Organic Chemistry I. Topics covered include mechanistically complex reactions, organic synthesis, and application of molecular orbital theory to reactions. Laboratory exercises focus on synthetic techniques and structure elucidation of unknowns. (CH 241) 3 hrs. lect., 6 hrs. lab. Breakage Fee.
Mr. Gleason

CH 247, CH 248 Same as CH 241, CH 242 but without the laboratory

Students cannot elect CH 247 or CH 248 without permission of the instructor.

CH 261 Nuclear Chemistry Spring
Mr. Gleason

CH 311 Advanced Chemistry Laboratory I Fall, Spring
Ms. Choi, Mr. Larrabee

CH 312 Advanced Chemistry Laboratory II Fall, Spring
Ms. Choi

CH 313 Advanced Chemistry Laboratory III Spring
Ms. Fleming, Mr. Walstrum

CH 322 Biochemistry and Molecular Biology Fall
Mr. Walstrum

[CH 341 Organic Chemistry III]

CH 351 Physical Chemistry I Fall
Add 1 hr. discussion Mr. Sontum

CH 352 Physical Chemistry II Spring
Add 1 hr. discussion Ms. Choi

CH 353 Physical Chemistry for the Life Sciences Spring

A basic course in physical chemistry intended for majors in life science areas. This course presents an introductory development of classical thermodynamics and dynamics as it applies to the equilibrium, kinetic, and transport properties of biological molecules. Methods of physically characterizing biological molecules such as electrophoresis, centrifugation and radioactive counting will also be discussed. (CH 104, PH 109 or permission) 3 hrs. lect., 1 hr. discussion. Mr. Sontum

CH 400 Seminar in Chemical Research Fall
Mr. Larrabee

CH 425 Advanced Biochemistry Fall
Ms. Fleming

CH 431 Advanced Inorganic Chemistry Spring
Mr. Larrabee

CH 442 Advanced Organic Chemistry Fall
Mr. Walstrum

[CH 452 Physical Chemistry III]

CH 500 Independent Project Study Winter and Spring
Staff

CH 700 Senior Honors Thesis Winter and Spring
Staff

CH 750 Senior Thesis (Environmental Studies) Fall, Winter, Spring

CHINESE

Professor: John Berninghausen (chair, fall) *Assistant Professors:* Catherine Campbell (on leave all year), Clara Yu (chair, winter and spring) *Lecturer:* Gregory Chiang *Visiting Lecturer in Chinese and Art:* Jen–mei Ma

CS 101 Beginning Chinese Fall
Mr. Berninghausen, Ms. Ma

CS 102/WT Beginning Chinese Winter
Mr. Chiang, Ms. Yu

CS 102 Beginning Chinese Spring
Ms. Ma

[CS 130 Masterworks of Chinese Literature and Civilization]

CS 201 Intermediate Chinese Fall
Ms. Yu

CS 202 Intermediate Chinese Spring
Ms. Yu

CS 216 Traditional Chinese Fiction in Translation Fall

A survey of pre–modern Chinese fiction. This course will cover works from the Six Dynasties period (5th–6th centuries A.D.) up until the end of the 19th century. "Tales of the mysterious" and short stories,excerpts from *Outlaws of the Marsh, Journey to the West* and *Story of the Stone,* as well as the novella *Travels of Lao Can* are included. The relationship between fictional and other literary genres, the ties between recorded fiction and oral story–telling, and issues of narrative structure, characterization and style will be discussed. Ms. Yu

[CS 220 Modern Chinese Fiction]

[CS 225 Classical Chinese Poetry in Translation]

[CS/LS 260 Introduction to Literary Theory & Criticism]

CS 301 Advanced Chinese Fall
Ms. Ma

CS 302 Advanced Chinese (Modern Chinese) Spring
Mr. Chiang

CS 400 Advanced Readings, Conversation and Writing (Modern Chinese) Fall
Mr. Chiang

CS 401 Classical Chinese: Introduction to Wenyan (in Chinese) Fall
Mr. Chiang

CS 402 Classical Chinese: Introduction to Wenyan (in Chinese) Spring Mr. Chiang

CS 475 Seminar on Chinese Fiction (in Chinese) Spring Ms. Yu

CS 700 Senior Thesis Fall Staff

CS 700/WT Senior Thesis Winter Staff

CLASSICAL STUDIES PROGRAM

Under Honors, add the following at the end of the paragraph:

(Note: A student who does an optional Senior Essay or Independent Senior Project may offer that grade in lieu of the grade on either 420 or 701 for the calculation of departmental honors.)

Required for the major in Classical Studies:

A. 1. ***CL 150 The Ancient Epic**
2. **CL 131 History of Greece** *or* **CL 132 History of Rome**
3. **CL 152 Greek Tragedy** *or* **CL 175 Greek Philosphy**

B. Five courses in Classical Studies chosen from the following:

***CL 121 Classical Tradition of Liberal Arts and Sciences**

[*CL 131 History of Classical Greece]

***CL 132 History of Rome**

***CL 152 Greek Tragedy**

***CL 175 Greek Philosophy**

CL 332 Problems in Ancient History

CL 450 History of Classical Literature

AR 311 Ancient Art

AR 312 Roman Art

EL 227 Greek Comedy

***PA 201 Ancient and Medieval Philosophy**

[PA 402 Aristotle]

PS 317 Classical Political Philosophy

PS 409 Seminar in Political Philosophy

***RE 110 Foundations of Western Religious Life and Thought**

C. Four courses in Greek or four courses in Latin chosen from:

[CL 101 Beginning Latin]

[CL 202 Intermediate Latin]

CL 103 Beginning Greek

CL 204 Intermediate Greek

CL 301 Latin Prose

CL 302 Latin Poetry

[CL 303 Greek Prose]

[CL 304 Greek Poetry]

[CL 401 Readings in Latin Literature I]

[CL 402 Readings in Latin Literature II]

CL 403 Readings in Greek Literature I

CL 404 Readings in Greek Literature II

CL 500 Advanced Readings in Latin

CL 501 Advanced Readings in Greek

D. CL 420 Seminar in Classical Literature

E. CL 701 General Examination

Optional: CL 700, Senior Essay (Fall/Winter or Winter/Spring); CL 505, Independent Senior Project (Fall or Spring)

(Note: Students who wish to do an optional Senior Essay or Independent Senior Project must secure the sponsorship of a faculty advisor in the semester before the Essay or Project is to be undertaken.)

* Foundations Course

CLASSICS

Professor: Eve Adler (chair) *Assistant* Professors: Jonathan Price (on leave all year), Robert Schine (on leave all year), Marc Witkin

Required for the major in Classics: 10 courses in Greek and Latin (normally 6 in one language and 4 in the other), including one Senior Seminar (CL 420); 3 courses in Classics in translation chosen with department approval; CL 706 (General Examination).

Optional: CL 705, Senior Essay (Fall/Winter or Winter/Spring); CL 505, Independent Senior Project (Fall or Spring)

(Note: Students who wish to do an optional Senior Essay or Independent Senior Project must secure the sponsorship of a faculty advisor in the semester before the Essay or Project is to be undertaken.)

(Note: A student who does an optional Senior Essay or Independent Senior Project may offer that grade in lieu of the grade on either 420 or 706 for the calculation of departmental honors.)

COURSES IN ENGLISH

[*CL 121 The Classical Tradition of the Liberal Arts and Sciences] Spring

[CL 131 History of Classical Greece]

CL 132 History of Rome Fall

A survey of Roman history from the early Republic to the conversion of Constantine, based on a close reading of ancient sources in translation -- historiography, literature, inscriptions, papyrii, coins. The course will focus especially on the last generations of the Republic, when the state disintegrated into factional violence, and the first imperial dynasties, when a new order was established. Students will learn how to use different kinds of historical evidence, and be expected to acquire a broad knowledge of Roman history, using it to explore the following themes: the methods of imperialism; great men – did they make history or did history make them?; violence in politics; constitutional facts and fictions; the conflict of cultures in the Roman world; Roman institutions and thought in Western civilization.

Staff

***CL 150 The Ancient Epic** Fall
Ms. Adler

***CL 152 Greek Tragedy** Spring
Mr. Witkin

***CL 175 Greek Philosophy** Fall
Mr. Witkin

[CL/AR 325 Rome of the Caesaers, Rome of the Popes]

CL 332 Problems in Ancient History: The Fall of the Roman Republic Spring

One of ancient history's most notorious and vexing problems, but of enduring fascination: How and why did the Republic's constitutional government collapse, yielding to veiled military autocracy? First we will study the problem from the ancient sources, mastering the facts and trying to understand how the ancients themselves – both participants and those who lived in the Empire afterwards – understood the fall of the Republic. In this part, we will make use also of modern science, particularly epigraphy and numismatics. Then we will examine explanations by modern writers, starting from the Renaissance and continuing through our own century, asking not only what these writers contribute to our understanding of the problem, but what their interpretations reveal about their own times. Staff

CL 450 History of Classical Literature (In Translation) Fall
Ms. Adler

GREEK

CL 103 Beginning Greek Fall

Intensive introduction to the rudiments of classical Greek, for beginners. The aim of the course is to prepare students to read the major authors of Greek literature. Mr. Witkin

CL 204 Intermediate Greek Spring

A continuation of CL 103. Completes the rudiments of Greek grammar and introduces students to intensive reading selected from such authors as Plato, Homer, and New Testament.
Ms. Adler

[CL 303 Greek Prose]

[CL 304 Greek Poetry: Plato and Tragedy]

CL 403 Readings in Greek Literature I Fall

Readings in major authors, selected with reference to students' prior experience in Greek. Mr. Witkin

CL 404 Readings in Greek Literature II Spring
Staff

CL 501 Advanced Readings in Greek
Fall, Spring
Staff

LATIN

[CL 101 Beginning Latin]

[CL 202 Intermediate Latin]

CL 301 Latin Prose Fall

Readings in major prose authors selected from Caeser, Cicero, Sallust, Livy, Petronius. (CL 202 or equivalent.) Staff

CL 302 Latin Poetry Spring

Readings in major Roman poets selected from Vergil,Ovid, Terence, Horace, Catullus. (CL 301 or equivalent.) Staff

[CL 401 Readings in Latin Literature I]

[CL 402 Readings in Latin Literature II]

CL 500 Advanced Readings in Latin
Fall, Spring
Staff

HEBREW

[CL 105 Introduction to Hebrew]

[CL 206 Intermediate Hebrew]

CL 305 Readings in the Hebrew Bible I Fall

Selections from prose books of the Bible. (CL 206 or equivalent.) Staff

CL 306 Readings in the Hebrew Bible II Spring
Selections from poetic books of the Bible. (CL 305 or equivalent). Staff

[CL 406 Advanced Hebrew Studies]

SENIOR COURSES

CL 420 Seminar in Classical Literature Spring
Mr. Witkin

CL 505 Independent Senior Project Fall, Spring
Staff

CL 700 General Examination for Classical Studies Majors Fall
Staff

CL 705 Senior Essay for Classics Majors Fall, Spring
Staff

CL 706 General Examination for Classics Majors Fall
Staff

PROGRAM IN EAST ASIAN STUDIES

Participating Faculty: David Rosenberg, (chair, Political Science), Ellen Basu (Sociology/Anthropology) (on leave all year), John Berninghausen (Chinese Language/Literature), Susan Brownell (Sociology/Anthropology), Catherine Campbell (Chinese Language/Literature) (on leave all year), Carole Cavanaugh (Japanese Language/Literature), Gregory Chiang (Chinese Language/Literature), Nicholas Clifford (History), John Keenan (Religion), Linda Keenan (Japanese Language/Literature) (on leave all year), Jen–mei Ma (Chinese Language/East Asian Art), Hiroshi Miyaji (Philosophy and Culture), Nobuo Ogawa (Japanese Language/Linguistics) (on leave spring term), Kyoko Takashi (Japanese Language/Linguistics), Don Wyatt (History), Clara Yu (Chinese Language/Literature)

Requirements for an East Asian Studies Major: see the 1989–1990 Catalog. Note the following change:

Paragraph four: Each EAS major is expected to select a probable senior thesis or project advisor and disciplinary approach to be used in the thesis or project, e.g., anthropology, art, history, literature, philosophy, political science, religion, sociology, etc., prior to going abroad and no later than the fall of junior year. This choice of the advisor from the participating faculty members in the program and of proposed course of study *must be discussed with the program chair.*

PROGRAM OF STUDY

Each East Asian Studies major will take a total of seven courses from the following list. Other courses may, *with the permission of the program chair,* be counted toward the major. (Please note that the list is subject to periodic revision.)

AR 103 Introduction to Far Eastern Art

AR 306 Masterpieces of Japanese Painting

[CS 133 Masterworks of Chinese Literature and Civilization]

CS 216 Traditional Chinese Fiction in Translation

[CS 220 Modern Chinese Fiction in Translation]

[CS 225 Classical Chinese Poetry in Translation]

CS 400 Advanced Readings, Conversation and Writing (Modern Chinese)

CS 401 Classical Chinese: Introduction to Wenyan (in Chinese)

CS 402 Classical Chinese: Introduction to Wenyan (in Chinese)

[CS 420 Modern Narrative and Composition]

[CS 425 Seminar on Contemporary Culture and Language (in Chinese)]

CS 475 Senior Seminar in Chinese Fiction (in Chinese)

HI 235 Modern East Asia: 1750–1912

HI 236 Modern East Asia: 1912–1976

HI 331 Imperial China

HI 332 Modern China

HI 333 Chinese Intellectual History

HI 334 Chinese Institutional History

HI/JA 335 Traditional Japan

HI/JA 336 Modern Japan

HI 409 Rebellion and Revolution in Modern China

HI 426 Writing and Research, East Asia

JA 216 Traditional Japanese Literature in Translation

JA 220 The Novel and the Novelist in Modern Japan

[PA 253 Confucianism and the Confucian Tradition in East Asia]

PA 256 Topics in Japanese Philosophy

PS 220 Asian Politics

PS 430 Seminar in U.S.–Asian Relations

RE 115 Introduction to Eastern Religious Thought

[RE 211 The Buddhist Tradition: China and Japan]

RE 212 Chinese Religions

[RE 215 Shinto: Japanese Indigenous Religious Beliefs]

RE 311 Seminar in Buddhist Philosophy

SA 335 Chinese Society and Culture

[TH 237 Japanese Cinema]

EA 500 Independent Study

EA 600 Senior Project

EA 700 Senior Thesis

Among the seven courses, three are required of all majors:

1. HI 331 Imperial China

2. HI/JA 335 Traditional Japan

3. All majors are required to take an intermediate method course in the discipline, such as AR 400, CS 260, HI 426, SA 301, SA 302,or EA 500 prior to the senior year. Only when a method course is not available the student will enroll in EA 500 and work under the supervision of the future thesis advisor and the program chair. Work done in EA 500 may not be directly connected to the future thesis topic.

The fourth course will be EA 600 Senior Project or EA 700 Senior Thesis

The fifth course must deal with Japan (HI 335, HI 336, JA 216, JA 220, PA 256).

The sixth course must deal with the modern period(CS 220, CS 425, CS 475, HI 235, HI 236, HI 332, HI 332, HI 333, HI 336, HI 409, JA 220, PS 220,PS 430, SA 335).

The seventh course can be selected from the list above.

Add the following at the end of the section, *Language Study:*

Those who study Chinese or Japanese at Middlebury Summer Language Schools earn three credits.

Senior Thesis or Project: During the first month of the fall semester, each East Asian Studies senior will submit a proposal of a thesis topic or project (in consultation with the thesis or project advisor). The topic seeks to explore one central problem or question within a closely defined scope and limited area / time period / methodological framework. In most cases, some primary or secondary sources in an East Asian Language are to be covered in the thesis. Students will enroll in EA 700 in the fall and winter of the senior year for the writing of their theses. The Senior project can be a substantive annotated translation or essay. Students who engage in a senior project will take one higher level EAS course by the end of the fall *with the approval of the program chair* and enroll in EA 600 to complete the project in the winter of the senior year. At least one completed copy of the senior thesis or project is to be submitted to the program chair no later than noon on the last Friday before Spring break. A thesis that is submitted late will not be eligible for Honors.

ECONOMICS

Professors: Michael Claudon, Richard Cornwall, Paul M. Sommers, John Weeks (on leave all year) *Christian A. Johnson Distinguished Professor:* David C. Colander (chair) *Assistant Professors:* Janamitra Devan, Neil-Leary, (on leave all year), Daniel Nolle, Catherine Sokil, Phanindra V. Wunnava. *Instructor:* Joanna Woos *Visiting Instructor:* Sunder Ramaswamy

Please see the 1989–1990 Catalog for description of department program and Major Requirements. Note the following changes:

International Major: MA 112, EC 150, EC 155, EC 210, EC 211, EC 350, EC 355, and four electives, one of which must be a 400–level course at Middlebury. The 400–level course at Middlebury should be based on study abroad. Courses completed abroad can consist of two electives (the equivalent of an Economics 300– or 400–level course). For an elective taken abroad to count at the 400–level the student must pass the year–end exam and complete a significant independent research paper for the course.

Delete Section II. Economics Joint Majors and Concentrations.

EC 150 Introductory Economics (Macro) (CW) Fall, Spring

(One section satisfies the College Writing requirement.) Staff

EC 155 Introductory Economics (Micro) (CW) Fall, Spring

(One section satisfies the College Writing requirement). Staff

EC 210 Economic Statistics Fall

Basic methods and concepts of statistical inference with an emphasis on economic applications. Topics include probability distributions,

random variables, estimation, hypothesis testing, and contingency table analysis. A weekly one–hour lab is part of this course in addition to three hours of class meetings per week. (MA 112.) Mr. Sommers

EC 211 Economic Statistics: Introduction to Regression Analysis Spring
Mr. Wunnava

EC 230 The Soviet Economy Spring

This course explores the setting, origins, operation, and performance of the Soviet economy to understand *perestroika* and its potential impact on the USSR and the rest of the world. First, we contrast the allocation of resources and economic performance in the Soviet centrally planned economy with market economies in theory and practice. Next, we examine the motivations for economic reform in the Soviet economy's performance record. Finally, we analyze the effects of economic reform measures introduced to date and the potential effects of those slated for the future. (EC 150 or EC 155 or permission.) Ms. Sokil

EC 310 Economics of Investing In Securities Spring
(Prerequisites: EC 150, EC 155, EC 210.)
Ms. Woos

EC 311 Applied Econometrics Fall
Mr. Wunnava

EC 316 Corporate Finance Fall

A study of corporate decision–making in the area of finance and accounting. The course will cover the conceptual framework of the firm's investment and financing decisions; includes capital–budgeting, time value of money, and analysis of balance sheets and income statements. Other issues that will be covered include business ethics, specialized topics in lease *vs.* buy decisions, and a general introduction to marketing. (EC 150, EC 155, and EC 210.) Mr. Devan

EC 325 Economic Development, Theory and Practice Spring
Mr. Ramaswamy

[EC 330 Comparative Economic Systems]

EC 340 International Economics: A Policy Approach Spring
Mr. Claudon

EC 350 Macroeconomic Theory
Fall, Spring
Ms. Woos (Fall)
Mr. Colander (Spring)

EC 355 Microeconomic Theory
Fall, Spring
Mr. Cornwall (Fall)
Mr. Ramaswamy (Spring)

EC 365 Environmental Economics
Spring
Staff

EC 375 Money, Banking, and Financial Markets Fall

An introduction to financial markets,financial institutions, and the conduct of monetary policy. Students will focus on the determination of interest rates, portfolio theory and the demand for money, bank management, and the money supply process. Emphasis will be on the integration of monetary theory and the highly dynamic world of money and banking. (EC 150 and EC 155.) Ms. Woos

EC 416 International Business
Fall, Spring

Change the last three sentences to: The analysis will focus on specific regions, such as the EEC or ASEAN or the Newly Industrializing Countries (NIC's) of Latin America or the Pacific Rim. The focus for the fall semester will be the ASEAN. The focus for the Spring semester will be EEC. (EC 316 or EC 350 or permission.) Mr. Devan

EC 425 Seminar in Economic Development Fall

This seminar deals with major issues affecting the economic development of low and middle–income countries focusing on a specific area such as Latin America or Africa. Among the issues covered within the regional focus are the causes of underdevelopment (including dependency and Ricardian/Marxian approaches), colonialism, integration into the world market, the debt crisis, and policies of macroeconomic adjustment (including the role of the IMF and World Bank). (EC 325 or 350 or 355.)
Mr. Ramasawamy

EC 430 Comparative Reform in Planned Economies Fall

This seminar will explore the economic transitions underway in Eastern Europe and the USSR. We will analyze the Soviet–type centrally planned economic system which served as the postwar model for Eastern Europe and the divergent attempts to reform it, contrasting the Yugoslav, Hungarian, and East German models. Next, we explore changes in the economic systems of Eastern Europe made possible by the "revolutions" of 1989. Specific topics include: direction of political *vs.* economic reforms; role of markets; privatization schemes; joint ventures; and integration into

the global economy. (EC 355 or EC 330, and permission.) Ms. Sokil

EC 440 The Economics of International Trade Fall
Mr. Nolle

EC 445 International Finance Fall
Mr. Nolle

[EC 450 History of Economic Thought]

[EC 455 Industrial Strategies]

EC 460 Industrial Organization and Public Policy Spring

This course investigates why industries are organized as they are, the economic consequences of industry structure and performance, and government response to market outcomes. The first part of the course covers classical theories of imperfect competition, as well as elementary game theory, the structure–conduct–performance paradigm, the theory of contestable markets, and international trade and imperfect competition. The second part of the course surveys empirical work, while the last unit provides an introduction to U.S. antitrust policy. (EC 211 and EC 355.) Mr. Nolle

EC 465 Special Topics in Environmental Economics Fall
Staff

EC 470 Public Finance Spring

An analysis of the effects of government expenditure and taxation on economic efficiency. Topics include the efficiency in providing public services; externalities; cost–benefit analysis; and alternative modes of income redistribution including current welfare programs, consumption subsidies, and negative tax plans. (EC 355 or permission.) Mr. Sommers

EC 475 Monetary Theory and Financial Institutions Spring

This course follows up EC 350 and EC 375 and further develops macroeconomic theory. Topics may include the role and productivity of money in the economy, free banking, evaluation of the Federal Reserve System in its 75th year, the changing regulatory structure in US financial markets, and episodes in US monetary history, including the post–Civil War era and the Great Depression. Actual topics discussed will vary from year to year. (EC 350 and EC 375.) Ms. Woos

EC 480 Labor Economic Fall

The purpose of this course is to gain insights into life cycle aspects of modern labor economics. We begin with the development of static labor supply and demand, then develop the tools of decisions made in a dynamic life cycle framework to understanding earnings within the labor market. After understanding this process, we shall focus on earnings distribution, occupational distribution, and other important labor market phenomena. In addition, life cycle union effects are studied. (EC 211 and EC 355 or permission.) Mr. Wunnava

EC 482 The Future of the American Workplace Spring

The educational, ethnic, sexual and age compositions of the American work–force are changing dramatically. How well do markets match worker desires with employer constraints and trade–offs? Are ascriptive discrimination and hierarchies of competing interests diminished or reinforced by markets? Models of the workplace used in economic theory, social psychology and sociology will be explored for their usefulness in econometrics and in analyzing historical cases. Each participant will conduct an econometric and/or case study to shed light on the operation of American business *vis–a–vis* American workers (EC 211 and EC 355.) Mr. Cornwall

[EC 485 Inequality and Poverty]

EC 498 Seminar in Economic Issues Spring

Students will participate in the Annual Conference on Economic Issues and in their role as discussants critically evaluate the papers included in the conference program. This year's conference, to be held in April 1991, will be concerned with economic aspects of the professional sports industry. Mr. Sommers

EC 500 Individual Special Projects
Fall, Spring
Staff

EC 800 Senior Research for Honors
Fall, Winter
Staff

ENGLISH

Professors: John Bertolini, John Elder, Robert Hill, David Littlefield, Edward Martin (chair), Robert Pack, Jay Parini (on leave all year), David Price, John Wilders (fall and winter terms) *Associate Professors:* Terry Hummer, Gary Margolis (part–time), Elizabeth Napier (on leave fall and winter terms) *Assistant Professors*: Julia Alvarez, Cates Baldridge (on leave all year), Alison Byerly, Nancy Coiner, Diana Henderson (on leave all year) Kathleen Skubikowski (part–time) *Visiting Assistant Professor:* Pamela Hadas V*isting Instructor:* Ann Barker *Visiting Lecturers:* David Bain (part–time), Don Mitchell (part–time), Ron Powers (part–time)

See the 1989–1990 Catalog for description of departmental program and requirements for a major. Note the following changes:

Under Major Program add:

EL/LS 308

Drama (2):

EL 111 or EL 224 or EL 306 or EL/LS 308

GENERAL LITERATURE

[*EL 110 Continental Fiction]

[*EL 111 European Drama]

[*EL 112 Mythologies Timeless and Timely, Traditional and Contemporary]

***EL/AL 113 Visions of Nature** Spring

Responses to nature over the past two centuries :themes to be followed include the Romantic connection of autobiography with landscape, the development of a wilderness ethic from the reevaluation of mountainous terrain, and the reemergence of natural history as a literary genre. Writings by Gilbert White, Wordsworth, Emerson, Thoreau, Darwin, John Muir, Clarence King, Mary Austin, J.W. Krutch, Aldo Leopold, and A.R. Ammons as well as paintings by John Constable, Frederick Church, Martin Johnson Heade, Georgia O'Keeffe, and the photography of Ansel Adams and Eliot Porter. Mr. Elder

***EL 114 Reading Women's Writing** Fall
Ms. Coiner

[*EL 115 Romance]

MAJOR PROGRAM– LITERATURE

EL 203 Interpretation of Literature (CW) Fall, Spring
Staff

EL 204 Chaucer, Shakespeare, Milton Fall, Spring
Staff

EL 206 Early English Novel (II) Spring
Mrs. Napier

EL 207 Nineteenth Century English Novel (III) Fall
Ms. Byerly, Mr. Hill

EL 208 Twentieth Century English Novel (IV) Fall, Spring
Ms. Barker, Ms. Byerly, Ms. Hadas, Mr. Price

EL 213 English Romanticism (III) Spring

Primary attention will be given to poetry and prose selected from the six major English Romantic poets: Blake, Coleridge, Wordsworth, Keats, Shelley and Byron. Mr. Pack

[EL 224 Medieval and Renaissance Drama I]

EL 225 Shakespeare's Comedies (WS) Fall

Close examination of selected scenes from *A Midsummer Night's Dream, The Merchant of Venice, Much Ado About Nothing, As You Like It, Twelfth Night* and *Measure for Measure.* Although the constituent parts of each play – construction, character, theme and language – will be considered, the major emphasis will be on the effects created in performance. Students will be expected to take part in readings, as at a rehearsal. Mr. Wilders

[EL 227 Greek Comedy]

[EL 229 Modern British Drama 1890–1950]

EL 230 Contemporary British Drama: 1950 to the Present (IV) Fall

Analysis of the language, style, dramaturgy and meaning of plays by Rattigan, Beckett, Osborne, Pinter, Shaffer, Gray, Bolt, and Stoppard, with some attention paid to contemporary British cinema. Mr. Bertolini

EL 301 Chaucer (I) Fall

Reading and discussion of selections from the *Canterbury Tales* and *Troilus and Criseyde*, with reference to intellectual background through the 14th century. Mr. Littlefield

EL 302 Medieval Literature (I) Spring
Ms. Coiner

[EL 303 English Literature of the Sixteenth Century (I)]

[EL 304 English Literature of the Seventeenth Century (II)]

[EL 305 Eighteenth Century Poetry and Prose (II)]

[EL 306 Restoration Literature (II)]

EL/LS 308 English and European Drama of the 17th and 18th Centuries (II) Fall

Masterworks of playwriting from 1600 – 1800 by such dramatists as Webster, Congreve, Molière, Calderon, Goldoni, and Lessing. Emphasis will be placed on their art and ideas.
Mr. Bertolini

[EL/AL 309 Contemporary Literature (IV)]

[EL/AL 312 Modern Poetry (IV)]

EL 314 Post–Romantic Nineteenth–Century Literature (III) Spring
Mr. Hill

EL 321 Shakespeare (WS) Fall

An introduction to the sonnets and some of the major plays (including *King Lear, Hamlet,* and *The Tempest),* with an emphasis on the "play" between writerly authoring and readerly reception, rhetoric and emotion, the provocative flexibilities of verse and the flexibilities of the human spirit. Ms. Hadas

Spring

An intensive scrutiny of language, character and theme in several of Shakespeare's plays with a primary focus on Hamlet and King Lear. (Juniors and Seniors) Mr. Bertolini

SEMINARS

EL 401 Seminar: John Milton Spring

A study of the major poetry: "L'Allegro" and "Il Penseroso," *Comus,* "Lycidas," *Samson Agonistes, Paradise Lost,* and *Paradise Regained;* and selected prose: "On Education," *The Doctrine and Discipline of Divorce, Areopagitica,* and selections from the political tracts. Attention will be directed to the social, religious, and political aspects of Milton's work as well as his literary achievement. (Please apply at Department Office.)
Mr. Littlefield

EL 405 Seminar: The Theory and Practice of Narrative Spring

This seminar will examine some of the major schools of literary criticism in the twentieth century (e.g., semiotics, New Criticism, feminism, cultural materialism, Freudian analysis). We will evaluate the validity of these interpretive methods through original articles and introductory surveys, and we will also test their usefulness against a broad range of narrative fictions from Chaucer to the postmodern "new novel." (Please apply at Department Office.)
Ms. Coiner

EL 407 Seminar: D.H. Lawrence Fall

We will explore the ways in which Lawrence's dynamic literary style dramatizes his vision of how the destructive forces of the will, linked with consciousness, industrialization, and the collective mass, are in mortal conflict with the redemptive and salvific forces of sexual passion, linked to the unconscious, Nature and natural processes, and the absolute integrity and otherness of the individual. Works to be studied include the collected short stories, *Sons and Lovers, The Rainbow, Women in Love, St. Mawr, Lady Chatterley's Lover,* selected essays, and poems. (Please apply at Department Office.) Mr. Price

EL 421 Seminar: Shakespeare (WS) Fall

In this course we will examine closely the diction, images and psychological patterns in *Hamlet, Othello, Macbeth, King Lear, Antony and Cleopatra* and *The Tempest.* Special attention will be given to the themes of accountability and forgiveness. This seminar satisfies the Shakespeare requirement for English majors. Not open to those who have taken EL 321. (Please apply at Department Office.) Mr. Pack

LS 705 Literary Studies Colloquium Fall

See Literary Studies listings for description.
Mr. Donadio

JUNIOR SEMINARS

EL 450A Junior Seminar: The Pastoral Tradition

Fall

We will begin by reading selections from classical and biblical literature which depict the shepherd's world as representative of all human life, then see what happens when pastoral images and themes are transplanted to English soil. The pastoral elegy, with its vision of landscape as at once the reflection of personal loss and the key to redemptive memory, will be a topic of special importance in our discussions. Shakespeare, Wordsworth, Hardy, and Woolf will be among the authors studied.
Mr. Elder

EL 450B Junior Seminar: Literature and Art

Spring

This course will examine the influence of visual art, music, and theatre on nineteenth–century literature. Works to be studied include Charlotte Bronte's *Villette,* Thackeray's *Vanity Fair,* George Eliot's *Adam Bede* and *Daniel Deronda,* Hardy's *Jude the Obscure,* Wilde's *The Picture of Dorian Gray,* and poems by Robert Browning and D.G. Rossetti. Looking at the interplay among different arts in each of these works will provide a focus for discussion of strategies of representation. Ms. Byerly

EL 460 Advanced Writing Fall, Spring

WRITING

EL 107 Journal and Essay (CW)

Fall, Spring

This course will be grounded in the keeping of journals, and will explore the ways in which essays can connect and expand such initial records of perception. Discussion in class will often focus on students' own writing, but we will also devote attention to the work of contemporary essayists. (Permission, see above.)
Mr. Elder, Mr. Powers
Mrs. Skubikowski

EL 160 The Structure of Nonfiction (CW) Fall

Workshop discussion will focus on composition, narrative, revision, point of view, representation, with reading and analysis of writings by modern and contemporary essayists. (Permission; see above.) Mr. Powers

Spring

Workshop discussion will center on what students write for each class. This course should be considered only by those dedicated to improving their creative, analytical writing. (Permission; see above.) Mr. Hill

EL 173 The Structure of Fiction and Poetry (CW)

Fall, Winter, Spring
Ms. Alvarez, Ms. Barker, Mr. Pack, Mr. Hummer

TH/EL 240 Screenwriting Workshop I (CW) Fall

Mr. Mitchell

TH/EL 241 Screenwriting Workshop II

Winter
Mr. Mitchell

EL 260 Intermediate Workshop: Nonfiction Fall

Focusing on the contemporary familiar essay, this workshop will explore the writing process with particular attention to composition techniques, economy and clarity of expression, analytic tools to highlight problems in revision, and the dynamic relationship between "meaning" and "content" in successful writing projects. Class discussions will be based on student manuscripts and published model works. Students will be required to write and revise 6–8 papers. (EL 107 or EL 160 or EL 170, and permission.) Mr. Bain

EL 270 Intermediate Workshop: Fiction Fall, Spring

[EL 275 Intermediate Workshop: Poetry]

EL 460 Advanced Writing Fall, Spring

Ms. Hadas, Mr. Hummer

SPECIAL PROJECTS

EL 500, 520, 560 Special Projects

Fall or Spring
Staff

SENIOR PROGRAM

EL 700 Senior Essay Fall, Spring

EL 705 General Examination Winter

EL 710 Senior Thesis Fall, Spring

ENVIRONMENTAL STUDIES

Professors: David Andrews (Sociology/Anthropology), John Elder (English), Victor Nuovo (Philosophy) *Associate Professors:* Robert Churchill (Geography), Raymond Coish (Geology), Burke Rochford (Sociology/Anthropology), Stephen Trombulak (Biology, Director) *Assistant Professors:* Richard Arthur (Philosophy), Lucy Harding (Geology), Neil Leary (Economics), Tamar Mayer (Geography), Jack Schmidt (Geography and Geology), Sallie Sheldon (Biology) *Instructor:* Chris Klyza (Political Science)

Please see the 1989–1990 Catalog for description of Program and Major Requirements. Note the following changes:

Program Requirement: Delete entire paragraph

Foci: replace Biology section with:

Biology: 185, 195, 2 courses at the 200 level, 2 courses at the 300 level.

Add:

Political Science: 211, 421, one course at the 100 level, two courses at the 200–300 level, and one course at the 400 level.

ES 401 Environmental Policy Formation Fall

Students will work together to formulate and justify policy measures that they think would be appropriate to deal with a local environmental problem. Policy recommendations will be based on research into economic, social, and environmental factors related to the problem. This course will show students how disciplinary knowledge can be integrated in a synthetic manner and offer the experience of working as a team toward the solution of a real–world problem. Considerable field work and library research will be involved, and the final exam will consist of a public presentation and defense of student–generated policy recommendations. (Junior or senior standing.) Staff

ES 500 Independent Study

Fall, Winter, Spring

FRENCH

Professors: Simon Barenbaum, Edward Knox (at Middlebury in Paris), Nancy O'Connor, Carol Rifelj (chair) *Associate Professor*: Bethany Ladimer. *Assistant Professor:* Marc Snyder *Visiting Assistant Professor:* Mireille

Barbaud–McWilliams *Instructors:* Paula Schwartz, Cecile Vernier–Danehy *Lecturer:* Huguette Knox (on leave all year) *Assistant:* Raphaëlle Nicolas.

See the 1989–1990 Catalog for complete description of department program and requirements for a major. Please note the following change:

Required for a joint major: a minimum of seven courses, including two from category I, one from categories II or III, two advanced courses in literature, and senior work to be determined individually. At least one advanced course in French must be taken during the senior year.

COURSES IN ENGLISH

The courses listed below are offered in English; they may not be counted toward a major in French.

[FR 112 Humanists and Heroes]

[*FR 115 French Realism: French Fiction from Stendhal to Proust]

[*FR 120 Women Writers in France]

FL/FR 125 Picking Things Apart: An Introduction to Cultural Criticism (CW) Spring

How does one write critically about a text, film, advertisement, or any other cultural artifact? This interdisciplinary course is designed to give students of world literature and popular culture a concise introduction to cultural criticism as it is practiced today. This is a hands–on workshop in which participants will learn to apply theory acquired in the course to other readings and cultural encounters in their lives. (Aristotle, Rabelais, Vico, Rousseau, Marx, Pirandello, Freud, Lévi–Strauss, Barthes). We will also analyze films and other forms of popular culture. This course fulfills the College writing requirement. Mr. Snyder

FR 143 Politics and Culture of the French Resistance Spring

In this course we will explore the politics and culture of the French Resistance to nazism during the Second World War as depicted in memoirs, literature and film (*The Sorrow and the Pity, Lacombe, Lucien*, among others). Our inquiry will focus on the moral ambiguities of the period; issues of conscience and personal choice; the contingencies of daily life in the underground; forms of political activism; and the role of the war experience in French collective memory. Recent controversies that have surrounded the history and interpretation of the Resistance and Vichy legacy will also be discussed. Readings may include works by Camus, Aragon, Vercors, Triolet, de Beauvoir, and Duras, in addition to historical treatments of the period. Ms. Schwartz

COURSES IN FRENCH

FR 101 Intensive Beginning French Winter
Staff

FR 102 Beginning French Spring
Mr. Barenbaum

FR 203 Intensive Intermediate French Fall, Spring
Staff

PREREQUISITES TO THE MAJOR

FR 205 Toward Liberated Expression Fall, Spring
Staff

At least two of the following three courses:

FR 227 Introduction to French Poetry Fall Spring
Ms. Barbaud–McWilliams

FR 228 Introduction to French theatre Fall, Spring
Mr. Barenbaum

FR 229 Introduction to French Prose (CW) Fall, Spring
Staff

See *1989–1990 Catalog* for additional information about the survey courses listed above.

FR 230 Introduction to Contemporary France Fall, Spring
Ms. Schwartz

(Majors must also take one course in French history, three advanced courses in French or francophone literature, and one senior seminar or senior work.)

LANGUAGE, LITERATURE, AND CIVILIZATION

FR 255 Improving Writing in French Spring
Ms. Barbaud–McWilliams

FR 277 Facets of a Changing France Winter
Mr. Barenbaum

[FR 305 Advanced Practice in Written French]

[FR 343 Topics in Contemporary French Civilization]

FR 361 French Classical theatre Spring
Ms. Vernier–Danehy

FR 362 Women and the Novel of the Ancien Régime Fall

We will attempt to place selected novels and tales in the historical and cultural context of the *ancien régime* as well as studying the ways their their narrative forms, style, and themes structure their vision of women. Do female characters fare differently in the hands of male authors? What appears to be woman's place and function in the social, moral, and intellectual contexts of the 17th and 18th centuries? Readings will include Mme. de Lafayette's *La Princesse de Clèves*, Mme.de Graffigny's *Lettres d'une péruvienne*, Prévost's *Manon Lescaut*, novels and *contes* of the Enlightenment philosophers Voltaire and Diderot, selections from Rousseau's *La Nouvelle Héloise,* and Laclos' *Les Liaisons dangereuses*. (FR 229 recommended.) Ms. O'Connor

[FR 365 Literature and Society in the Ancien Régime]

FR 375 Will, Passion and Desire in the 19th–Century Novel Spring

In the wake of the Revolution and the Napoleonic era, the 19th century was an age of political, social, and cultural upheaval. Romanticism and Realism in literature and the arts represented attempts to confront or represent these changes. In works by Stendhal, Balzac, Mérimée, Flaubert, Zola, and Sand, we will see how they incarnated the energy and spirit of the period. They show men and women trying to resist their passions or to impose their will. Can these figures – Carmen, Raphaël de Valentin, Emma Bovary, and others – defeat the social and emotional forces that oppose them and realize their desires, or will they be destroyed? (FR 229 recommended.) Ms. Rifelj

[FR 376 Nineteenth Century Poetry]

FR 379 Poetry and Painting in France 1850–1950 Fall

In this course we will study the relationship between poetry and painting roughly from 1850 to 1950. Romanticism brings the arts together in redefining the role of the artist and of the creative process. We will examine poets who paint (Hugo, Gautier) and see how their art influences their poetry, before focusing on Baudelaire (his fascination with Delacroix, the visual aspect of his poetry, Manet's resemblance to him). Surrealism will introduce us to poets and painters working together towards a complementary creative expression (for example Éluard and Man Ray) in which the metaphor is experienced similarly in poetry and in painting. (FR 227 recommended.)
Ms. Barbaud–McWilliams

FR 380 Writing in Question: Form and Function in the 20th–Century French Novel Fall

One of the hallmarks of modern French writers is their playful experimentation with literary form and ideology. In this course we will study some major authors of the twentieth century, explore ways in which their work is thematically and stylistically linked by virtue of its "novel" nature, and examine in what way their writing has changed how today we approach the question "What is literature?" Particular attention will be paid to the mission of the writer in French society. Authors will include: Leiris, Queneau, Camus, Tournier, Pérec, Duras. (FR 229 recommended.) Mr. Snyder

[FR 387 Twentieth Century Drama]

[FR 388 French Poetry of the Twentieth Century]

FR 500 Independent Projects Fall, Spring

Qualified students may be permitted to undertake a special project in reading and research under the direction of a member of the department. Approval of the project should be obtained well in advance of registration for the semester in which the work is to be done. FR 500 projects or essays proposed by senior majors for Departmental Honors must be approved by the department as a whole. Staff

FR 700 Senior Research
Fall, Winter, Spring
Staff

FR 704 Senior Seminar in French Civilization: The Revolutionary Tradition in Contemporary France Fall

How has the French Revolution of 1789–99 survived in the collective memory of the nation? How have the political groups from left to right sought to appropriate or reappropriate the revolutionary legacy? How did the revolutionary past inspire 20th–century movements to finish what the great Revolution had left undone? Our inquiry will center on interpretations and ideologies, varieties of political culture, the codification of the past in the form of symbol, and the phenomenon of commemoration from Bastille Day to the Bicentennial. We will also explore various attempts at social, political, and cultural "revolution" in the 20th century: the Popular Front, Vichy and the Resistance, May 68, and the so–called "second French Revolution" of the postwar period. (Senior majors or permission.) Ms. Schwartz

FR 705 Senior Seminar in French Literature: The Human Life Cycle in the Works of Contemporary French Women Writers Spring

Writers of fiction have portrayed progressive stages of human development in the conventional terms of their art. Childhood, youth, mid–life, and old age have been thematically encoded in particular narrative structures and particular scenarios. In this course, we will take a look at the way some women writers in 20th century France have conceived of the phases of the life cycle. We will consider their acceptance or their re–invention of traditional literary representations. Readings may include works by Sarraute, Wittig, Beauvoir, Colette, Duras, and Rochefort. (Senior majors or permission.)
Ms. Ladimer

See also College Writing Program and Freshman Seminars.

GEOGRAPHY

Associate Professors: Robert Churchill, Ronald Liebowitz (on leave all year) *Assistant Professors:* William G. Howland (on leave all year), Gail Fondahl, Tamar Mayer, Jack Schmidt

Required geography courses for the major in Geography: Eleven geography courses are required to complete the major. These include: GG 100; GG 250; GG 300; GG 310 or GG 320; GG 330; two seminars from the 400–level sequence; and four additional courses, at least two of which must be numbered between GG 100 and GG 250.

Required cognate course for the major in Geography: Students in consultation with their advisors design a cognate curriculum, which must include at least one additional mathematics/ computer science course.

***GG 100 Geography: A Modern Synthesis** Fall, Spring
Ms. Fondahl (Fall)
Mr. Churchill (Spring)

GG 210 The Geography of Development Spring

An examination of development and under–development from a geographical perspective. Topics to be discussed include problems of regional growth and inequality, the role of urbanization in development, international trade and development, regional development planning, and environmental constraints and problems. 2 hrs. lect., 1 hr. disc. Ms. Mayer

GG 211 Economic Geography Spring
Staff

GG 212 Urban Geography: Patterns, Problems and Policies Spring

Geographical analysis of urbanism and urbanization including the structure and mechanics of the urban space–economy. Particular attention is placed on significant problems of cities in both the developed and underdeveloped world, and on policies for addressing these problems. 2 hrs. lect., 1 hr. disc. Ms. Mayer

[GG 213 Population Geography]

[GG 215 Political Geography]

[GG 220 Geographical Perspectives on the Middle East]

GG 222 Geography of the Soviet Union Fall
Ms. Fondahl

GG 250 Physical Earth Processes Fall
Mr. Churchill

GL 251 Geomorphic Processes Fall
See Geology listings for description.
Mr. Schmidt

[GG 254 Weather and Climate]

GG 255 Surface Water Resources and Development Spring
Mr. Schmidt

GG 260 Social Aspects of Environmental Issues Fall

This course examines the development of environmental conservation in the U.S. and in lower developing countries (LDCs). The course is divided into three parts: the first part deals with historical approaches and cultural responsiveness to the environment, the perception of wilderness, and the history of the conservation movement. The second part deals with specific issues including National Parks and Forests, water, energy, acid rain and toxic waste. The final part of the course focuses on environmental conservation in LDCs. Issues of war and the environment, development and under–development, and population and resources are covered. Lect./disc. Ms. Mayer

[GL 290 Energy Fuels and Mineral Development]

GG 300 Spatial Statistics Fall

An introduction to quantitative techniques used in studying spatial variation of human and environmental phenomena. Particular emphasis is placed on the geographer's use of computer applications in analyzing spatial data. Topics include data collection, data description and presentation, and data use and interpretation. 3 hrs. lect., 3 hrs. lab. Staff

GG 310 Cartography and Graphics Fall
Mr. Churchill

GG 320 Geographic Information Systems Spring
Mr. Churchill

GG 330 Research Methods in Geography Spring
Staff

GG 400–level Seminars Fall, Spring

GG 411 Seminar in Economic Geography Fall
Staff

GG 412 Seminar in Urban Geography: Women in Development in the City Fall

The topic of the seminar in urban geography this term will be women and the city. Cities are cultural creations. They reflect and reinforce the ideology of the society that created them. By investigating the city, it is possible to understand societal assumptions and attitudes about race, class and gender. In the seminar we will explore these assumptions with respect to women. We will examine, through spatial temporal distribution, access to facilities, the retail structure and the housing market, the "appropriate" behavior for women. Questions of work, transportation, urban design and policy making will also be explored. Ms. Mayer

[GG 415 Seminar in Political Geography: Topics in World–System Analysis]

[GG 422 Seminar in Soviet Geography:Demographic and Nationality Issues]

[GG 450 Seminar in Physical Geography]

GG 500 Research in Geography Fall, Spring
Staff

GG 700 Senior Research Fall, Winter, Spring
Staff

PROGRAM IN NORTHERN STUDIES

[NE 151 Introduction to the Polar Environments]

NE 152 Public Policy in the Circumpolar North Spring
Ms. Fondahl

[NE 252 Biogeography]

[NE 261 Remote Sensing of the Environment]

[NE 382 Biogeography: Arctic and Alpine Emphasis]

NE 482 Senior Seminar: Northern Research Spring
Ms. Fondahl

NE 500 Independent Study Fall, Spring

NE 700 Senior Thesis Fall, Spring

SEMESTERS–IN–RESIDENCE PROGRAMS:

Applications may be obtained from the Geography department chair in Warner Hall.

SPRING SEMESTER–IN–RESIDENCE at the Center for Northern Studies

NE 310 Paleoenvironment and Prehistory of the Circumpolar North Fall, Spring
Mr. S. Young

NE 330 Indigenous Cultures of the Circumpolor North Fall
Mr. Flanders

NE 340 Polar Biota Fall, Spring
Mr. S. Young

NE 350 Winter Ecology Winter
Staff

NE 360 The Political Economy of Resource Management Fall
Staff

NE 370 Northern Policy Studies Spring
Staff

NE 380 Community Development in the Circumpolar North Spring
Staff

[NE 390 Northern Legal Issues]

NE 395 Northern Resource Conflicts Spring
Mr.Flanders

Seminar Series Fall, Spring
Staff

JOINT MAJOR IN GEOGRAPHY AND NORTHERN STUDIES

See *1989–1990 Catalog* for description.

GEOLOGY

Associate Professor: Raymond Coish (on leave all year) *Assistant Professors:* Lucy Harding (acting chair), Jack Schmidt, David Elbert, Patricia Manley

The Department of Geology provides students with an opportunity to experience the methods of science, using geologic examples. In addition, we endeavor to provide those students who may wish to pursue the field of geology

with the opportunity to acquire basic knowledge and principles which will equip them for further professional training. With the Green Mountains to the east, and the Adirondacks and Lake Champlain to the west, the environs of Middlebury College afford an excellent setting for study and research in geological, oceanographic, and environmental science. The curriculum takes advantage of this setting by stressing field–oriented and laboratory supported inquiry of problems in all facets of earth science, especially petrology, tectonics, oceanography, geomorphology and environmental geology. Students are encouraged to develop ways of actively examining and interpreting observational data. Since Vermont is a classic area for study of mountain system evolution, one general theme of the program is to relate geological process to the origin and evolution of global tectonic patterns, integrating data from the world's oceans and continental areas. Geology majors have used their Middlebury degree as a stepping stone to graduate school in geology, to industry, to a teaching career or to careers in business, law or architecture.

See the 1989–1990 Catalog for additional information about the department program and requirements for a major.

[GL 101 National Parks]

***GL 104 Earthquakes and Volcanoes** Spring
Mr. Elbert

GL 112 Environmental Geology Spring
Mr. Schmidt

[GL 122 Context of a Modern Earth]

GL 161 Elements of Oceanography Fall
Mr. T. Manley

***GL 170 Global Tectonics** Fall
Ms. P. Manley

GL 201 Bedrock Geology of Vermont (CW) Fall
Ms. Harding

GL 211 Mineralogy Fall
Mr. Elbert

[GL 222 Natural Resources of South Africa]

GL 251 Geomorphic Processes Fall

An investigation of landforms that explore the nature and effects of surface processes – weathering, mass wasting, and erosion – on varied lithologic and tectonic frameworks. Field and laboratory work is focused on the role of glacial and fluvial processes in west central Vermont. 3 hrs. lect., 3 hrs. lab. (GG 250, GL 112, GL 161, or permission.) Mr. Schmidt

GG 255 Surface Water Resources and Development Spring

See Geography listings in 1989–1990 Catalog for description Mr. Schmidt

[GL 290 Energy Fuels and Mineral Development]

GL 321 Sedimentary Rocks Spring
Ms. Harding

[GL 322 Igneous Petrology]

GL 332 Metamorphic Petrology Spring
Mr. Elbert

GL 342 Marine Geology Spring
Ms. Manley

GL 381 Structural Geology Fall
Mr. Elbert

GL 382 Geophysics Spring
Ms. Manley

GL 401–404 Seminars

[GL 401 Stratigraphy and Tectonics]

[GL 402 Geochemistry]

[GL 403 Mountain Systems – Structural and Thermal Evolution]

GL 404 Modern Processes Fall
Ms. Manley

GL 500 Readings and Research Fall, Spring
Staff

GL 700 Senior Research
Staff

GERMAN

Professors: Thomas Huber (chair), Kimberly Sparks (at Middlebury in Mainz, Fall term), Van Horn Vail *Instructor:* Helmut Liebel *Lecturer:* Constance Kenna (at Middlebury in Mainz, Spring term), *Assistant*: Stefan Zohm

See 1989–1990 Catalog for Major Requirements: Note the following change in Honors Requirements:

Honors: To be a candidate for honors, a student must have an average of at least B in German. Honors work is normally done during a student's last semester at Middlebury. Students have the option of doing either an independent thesis or a project.

GN 101 Elementary German Fall
Staff

GN 102 Elementary German Spring
Staff

GN 201 Intermediate German Fall
Staff

GN 202 Advanced German Spring
Staff

[GN 303 Stylistics]

GN 305 The German Novelle I Spring
Mr. Vail

GN 306 The German Novelle II Fall

This course will follow one genre, the Novelle, as it evolves through a century and a half of German writing. The aim of the course is to acquaint the student with the development of a form through several literary periods and with the companion critical concepts which serve it. Readings will range from Goethe to Hauptmann Mr. Vail

[GN 307 The German Novelle III]

GN 321 Business German and German Business Fall

A systematic introduction to the special vocabulary and language patterns used in doing business today in German–speaking countries. The course begins with an overview of the German economy since World War II and includes a discussion of the types, structures and practices of large corporations and small businesses. Emphasis will be on practical examples and oral and written exercises. (One German course above GN 202.) Ms. Kenna

[GN 334 Contemporary German Dramas]

[GN 336 Vienna: fin de siecle]

[GN 338 Utopias and Science Fiction in German Literature]

GN 345 Women Writers and Female Writing in German Literature Spring

Beginning with writers from the 10th century, the course will introduce female German authors through 1988. A close reading of selected texts will investigate the relationship between their respective subjects and figures. On the other hand, the course will discuss the question if there is a genuine female way of writing as it is being suggested by some feminist literary theories. Passages from these theories will be discussed (in English) and applied to the texts. The course will count as a Women's Studies course. (Open to all students who have at least two courses above GN 202.)
Mr. Liebel

GN 350 History of Modern German Drama (CW) Fall

The course is a survey of the development of dramatic structure and forms in German literature from the 18th century through 1985. In the course of this analysis, students are expected to acquire the basic terminology and methods in the study of literature. With its strong emphasis on the improvement of the students' writing skills, the course is designed for those who have not yet attended a course above GN 202. These students will be preferred at the registration. (Open to all students who have had GN 202 or its equivalent.) This course fulfills the College Writing requirement. Mr. Liebel

[GN 356 Short Story and Diaries–World War II and Reconstruction]

[GN 401 Emergence of German as a Literary Language]

[GN 402 Establishment of German as a Literary Language]

[GN 406 Romanticism]

GN 410 German Lyric Poetry Fall

Students will analyze an anthology of German poetry from the age of Goethe to the present time. Emphasis will be placed on the interaction of form and content, the role of imagery and recurring themes. Students will write 3 critical papers on selected texts, one of these papers will deal with a theoretical issue.
Mr. Huber

GN 420 Social Drama of the 19th Century Spring

Close reading and discussion of representative plays between 1825 and 1900, to include Georg Büchner's *Woyzeck*, Friedrich Hebbel's *Maria Magdalena*, Johann Nestroy's *Das Mädl aus der Vorstadt* and Gerhart Hauptmann's *Die Ratten*. Johann Strauss' operetta *Die Fledermaus* will be used to counter–point themes and issues. Mr. Huber

[GN 421 Modern German Drama]

[GN 422 Post World War II Drama]

GN 500 Independent Study

GN 800 Honors Project

See 1989–1990 Catalog for information about the Middlebury School in Germany. The list of Advance Seminars offered is changed to the following:

ADVANCED SEMINARS:

Modern German Comedy
German *Minnesang*
GDR Literature
Theodor Fontane
Heinrich Böll
German Literature in Exile
Heinrich Heine

See also Division of Foreign Languages.

HISTORY

Professors: John Spencer (chair), Nicholas Clifford, Travis Jacobs, Marjorie Lamberti, John McCardell *Associate Professor:* David Macey *Assistant Professors:* Barbara Bellows (on leave all year), Elizabeth Dore (on leave all year), Paul Monod (on leave all year), Cassandra Potts, James Ralph, Don Wyatt *Visiting Assistant Professors:* Carlos Espinosa

See the 1989–1990 Catalog for a description of the departmental program and requirements for a major. Please note the following changes:

At the end of the third paragraph, add:

Advanced Placement credit grade of 4 or 5 in European History can substitute for HI 103. Advanced Placement credit grade of 4 or 5 in American History can substitute for HI 203 or 204.

See *1989–1990 Catalog* for additional information on the following:

HI 100–399 Lecture Courses

HI 401–419 Readings Courses

HI 420–429 Research Seminars

HI 700 Senior Independent Study

HI 705 Teaching Assistantship

FOUNDATIONS COURSES

***HI 103 Problems of Authority (CW)** Fall

The medieval and early modern periods in European history were largely shaped by conflicts between authorities in the ecclesiatical political and scientific realms. This course explores these problems of authority with an emphasis on issues that helped determine our modern institutions and assumptions. Stress will be placed on the interpretation of original sources and on the relationship between fact and interpretation in the study of history. (One section of this course satisfies the College Writing requirement.

Ms. Potts
Staff

***HI 104 The Revolutionary Tradition** Spring

Revolutions have always attracted the attention of historians because they provide us with unique opportunities to study societies undergoing rapid and intense change. The contemporary world is the product of a single revolutionary process that began in France at the end of the 18th century, reappeared in the revolutions of 1830, 1848, and 1871 (also in France), inspired a generation of intellectuals during the mid–19th century, most notably Karl Marx, and then spread eastward to Russia and China at the beginning of the 20th century, where it now appears to have come to an end. This course will examine this general process within the specific cultures in which it was manifested.

Mr. Macey and Staff

LECTURE COURSES

HI 203 United States History: 1492–1861 Fall
Mr. McCardell, Staff

HI 204 United States History: 1861–1960 Spring
Mr. Ralph
Staff

[HI 214 Society and Culture in Western Europe: 1500–1800]

HI 215 History of Modern Europe: 1800–1900 Fall
Ms. Lamberti

HI 216 History of Modern Europe: 1900–1968 Spring
Ms. Lamberti

HI 226 Modern Africa Fall
Mr. Spencer

HI 235 Modern East Asia: 1750–1912 Fall
Mr. Clifford

HI 236 Modern East Asia: 1912–Present Spring
Mr. Clifford

HI 238 Modern Middle East History Spring
Mr. Spencer

HI 247 Traditional Russia Spring
Mr. Macey

HI 248 The Russian Revolution and the Soviet Regime Fall
Mr. Macey

HI 285 Colonial Latin American History Fall

This course explores colonial and imperial relationships in Spain's New World empire. It begins with an examination of the encounter between Spanish colonists and the native population of the sixteenth century, stressing the problem of cultural differences. It proceeds to a study of political and religious relationships in which the native "other" was assimilated and differentiated from the European colonists. In addition, the economic dimensions of colonialism are explored through a study of labor utilization and of the organization of exchange between the metropolis and the colonies. The course closes within examination of the development of a national consciousness in the con-

text of Spain's attempt to redefine its relation with its colonies. Mr. Espinosa

HI 286 Modern Latin America Spring
Mr. Espinosa

[HI 287 Central America: The Struggle For Change]

HI 331 Imperial China Fall

The history of China from her cultural beginnings up to the conflicts with the West in the 1840's. Special attention will be directed toward the social, institutional and intellectual events such as dynastic succession and bureaucratic centralization that were key constituents shaping China's traditional period of development. Mr. Wyatt

HI 332 Modern China Spring

An examination of the internal and external challenges to the traditional society and culture of China from the eighteenth century on. We will study the long period of disintegration in the late nineteenth and early twentieth centuries, the revolutionary response to disintegration, and the attempts that have been made since then to achieve reintegration and a new national identity in the present. Mr. Clifford

HI 333 Chinese Intellectual History Spring

A survey of the dominant intellectual trends in China from the competing schools of the 5th century B.C. to the adoption and adaptation of Marxist thought. Major early alternatives to Confucian ideology (such as Taoism, Mohism, and Legalism) will be stressed. Individuals and their ideas will be discussed with specific reference to their historical contexts and implications. Mr. Wyatt

HI/JA 335 Traditional Japan Fall
Staff

HI/JA 336 Modern Japan Spring
Staff

HI 339 History of Southern Africa (CW) Spring
Mr. Spencer

HI 342 Europe and the High Middle Ages Spring

This course covers the development and expansion of Western European civilization from approximately 1050 to 1300. This was a period of great activity and change which witnessed the rise of towns, commerce, universities and cathedrals, as well as advances in the area of politics, philosophy and science. The goal of the course is to view these achievements in their own context, with an appreciation of the methodological problems presented by medieval sources. Ms. Potts

[HI 346 History of France: 1750–1940]

HI 349 History of Germany from 1648 to the Twentieth Century Fall
Ms. Lamberti

[HI 353 British History: 1603–1815]

[HI 354 British History: 1815–1979]

[HI 361 Colonial America]

[HI 362 Revolutionary America: 1763–1800]

[HI 363 Jeffersonian and Jacksonian America: 1800–1848]

[HI 364 Civil War and Reconstruction: 1845–1890]

[HI 365 Victorian America: 1877–1919]

[HI 366 The American Frontier: 1787–1892]

HI 367 Twentieth Century America, 1920–1950 Fall

A study of the political and social history of the United States, beginning with the 1920's and concentrating on the New Deal and the Era of Franklin D. Roosevelt, World War II and its impact on domestic and foreign affairs, and post–war America with Truman's Fair Deal and the emerging Cold War. Mr. Jacobs

HI 368 Twentieth Century America, 1950–1990 Spring

A study of the political and social history of post–World War II America, concentrating on the impact of the Cold War, the Korean War and McCarthyism on Truman's Fair Deal, Eisenhower and the 1950's, JFK's New Frontier, Johnson's Great Society, the Vietnam War, Nixon, the Watergate scandal, the end of American progressivism and the re–emergence of conservatism in the 1970's and 1980's, and the end of the Cold War
Mr. Jacobs

HI 371 African–American History Spring

This course is an introduction to the African–American history from colonial times until the present. By identifying major themes, such as the transition from slave to freeholder, and the evolution of the civil rights movement, the course will examine the changing role of Black people in American society. Emphasis will be placed not only on the struggle for full equality, but also on the contributions and achievements of individuals that have made African–Americans so important in the American experience. Rev. Walsh

[HI 372 Progressivism, War, and Prosperity: America from 1900 to 1929]

READING COURSES

HI 403 Themes in Modern European History Fall
Mr. Monod

HI 404 Stalin and Stalinism Fall

While Stalinism seems currently to be in full retreat, it has had a tremendous influence in shaping the Soviet Union as we know it today. Utilizing a combination of original, biographical, and analytical readings, this course will focus on the man and the myth and their influence on various aspects of the Soviet polity, economy, society, and culture. Mr. Macey

[HI 405 Protest and Collective Action in American History]

HI 405A Readings in Post–War America Fall

An examination of America from the dropping of the atomic bomb at the end of World War II through the mid–1950's. Readings will examine social issues, politics, and foreign affairs, ranging from post–war reform, civil rights and McCarthyism to the Cold War and Korea, and the "Affluent Society" and will present various interpretations of the period.
Mr. Jacobs

[HI 406 History of American Women]

[HI 407 Readings in African History]

HI 409 Revolution and Rebellion in Modern China Spring
Mr. Clifford

[HI 410 Constructing Latin America Women's History]

[HI 411 The Historical Roots of the Central American Crisis]

HI 413 Topics in Modern European History Fall

A comparative social history of Nazi Germany and Fascist Italy. Ms. Lamberti

HI 415 The Vikings Fall

From the rivers of Russia to the shores of America, Viking adventurers from Scandinavia raided, traded and established colonies during the 9th, 10th and 11th centuries. The seminar focuses on the achievements of the Vikings, examining their activities in France, England, Russia and the North Atlantic. Readings will include a variety of original sources with an emphasis on archaeological evidence.
Ms. Potts

HI 417 Regimes of Violence in Latin American History Fall

Violence has been a major fact of Latin American life – as it has been throughout the world. This course explores the forms that violence has taken from the pre–Columbian era to the present; its exercise, social function and legitimization. The course starts with an examination of ritual warfare and human sacrifice in the pre–Columbian era and moves on to the violence of conquest and colonial relations. It then turns to modern modes of violence in the nineteenth and twentieth centuries; revolution, the terror of authoritarian regimes and international strife. Mr. Espinosa

RESEARCH SEMINARS

HI 420 Writing and Research in European History Spring
Mr. Macey

HI 422 Writing and Research in American History Fall, Spring
Staff

HI 424 Writing and Research in Non–Western History: Imperialism Spring
Mr. Spencer

HI 426 Writing and Research, East Asia Spring

Seminar is designed to familiarize the student with the fundamental approaches and methodologies of inquiry into East Asian history from the perspective of the social sciences. Research topics will be selected through group and individual consultation with the instructor, with the purpose of enhancing basic research, analytical, and compositional skills. Course readings will be of an interdisciplinary as well as historical nature; some language training is encouraged, since research materials to be introduced will be drawn from Chinese or Japanese as well as English sources. Mr. Wyatt

[HI 428 Writing and Research in Latin American History]

HI 430 Writing and Research, Medieval Europe Spring

This seminar is designed to provide an introduction to the principal sources and methodologies of medieval history. Students will select specific topics from within the broad framework of the middle Ages and submit research papers based on the analysis of primary and secondary sources. Ms. Potts

HI 432 Myth and Writing in the Conquest of the New World Spring

This seminar addresses the cultural dimensions of the encounter between Spain and the

new World's native populations. It examines how Europeans and "natives" dealt with difference; how early modern European modes of writing, including historiography, grammars, legal codes and administrative inventories operated in a colonial context and how "native" consciousness was recast in a radically novel sociological and ideological setting.

Mr. Espinosa

HI 500 Special Research Projects
Fall, Spring

HI 700 Senior Independent Study
Fall, Winter, Spring

HI 705 Teaching Assistantship
Fall, Spring

INTERNATIONAL POLITICS AND ECONOMICS

The International Politics and Economics major offers an interdisciplinary approach to the study of international affairs. The major includes extensive course work in economics and political science with an emphasis on international issues, and a year of overseas study in a foreign language (in some cases one term is permitted). This year abroad establishes the student's *regional concentration.*

Requirements for the Major: Courses preceded by an asterisk must be completed at Middlebury. Others may be satisfied during the year or term of study abroad. One statistics course is strongly advised (EC 210 or equivalent).

A. Three Courses in Political Science or Cognate Fields:

Required (it is recommended that these be taken before the student goes abroad):

***PS 101 Introduction to Political Science**
or

***PS 107 Politics and the Studies of Politics**
plus

***PS 103 Patterns of Government: Introduction to Comparative Politics**

***PS 201 International Politics**

B. Four courses in Economics:

EC 150 Macroeconomics

EC 155 Microeconomics

Two of the following three courses must be taken:

***EC 210 Economic Statistics**

***EC 350 Macroeconomic Theory**

***EC 355 Microeconomic Theory**

C. Year or Term of Study Abroad: See *1989–1990 Catalog.*

D. Regional Concentration

IPE students are expected to be familiar with a country or region. The year abroad serves this purpose. In addition, the student must take two courses relevant to the regional concentration from anthropology, economics, geography, history, or political science. One of these can be satisfied by the seminar requirement (see next item).

E. A seminar in Political Science and a seminar in Economics. Majors are normally expected to use their foreign language in their seminar research.

PS 404 The Global Political Economy

PS 405 Seminar on the Causes of War

PS 406 Seminar in Comparative Politics: Western Europe

PS 408 Seminar on United States–Soviet Relations

PS 414 Seminar in Comparative Politics: Soviet Union and Eastern Europe

PS 415 Seminar in Latin American Politics: Change and Development

PS 430 Seminar on United States–Asian Relations

EC 425 Seminar in Economic Development

EC 430 Comparative Reform in Centrally Planned Economies

EC 440 International Trade

EC 445 International Finance

Honors: Students who seek Honors in International Politics and Economics may substitute thesis work for one of the required seminars. Entry to honors requires at least a B+ average in IPE courses. Honors candidates must submit a thesis proposal to the program director prior to the term in which the thesis work is to begin. If the proposal is approved, the student may register for IP 700 (Senior Thesis) for one regular term plus a winter term. As an alternative, the student may follow the same procedure and register for IP 500 and do an independent study paper or project over one term. In this case the category "highest honors" would not be awarded. After an oral examination honors are conferred or denied on the basis of the grade achieved on the student's written exercise and the average grade received in Middlebury courses in economics and political science.

ITALIAN

Associate Professor: Ugo Skubikowski (chair)
Assistant Professors: Patricia Zupan

See 1989–1990 Catalog for description of Department program and requirements for the major. Note the following changes:

Second Paragraph: For those who prefer to remain on campus in their junior year, we offer a two part survey in major literary figures, movements, and periods, and in modern culture. Senior Seminar credit may be obtained through 400–level courses. Under special or necessary circumstances, the faculty direct independent research projects and/or tutorials.

The Major: The Italian major requires a total of not fewer than eleven units beyond IT 101–102, including Senior seminar credit. Seniors are expected to enroll in one advanced course in each semester of their senior year (including Senior Seminar credit). All majors are normally expected to spend the full year at the School in Florence. To apply for the Junior Year in Florence, a student must complete IT 252. We reserve the right to require a student to attend a preliminary summer in Vermont if, in our judgment, preparation in Italian is insufficient. The academic year in Florence begins with a three–week preliminary session of intensive courses in language and civilization. After the preliminary session, full–year juniors enroll in language and literature courses at the *Sede,* and choose one elective from the regular course offerings at the University of Florence. Juniors may enroll for both the fall and spring semesters at the *Sede* and audit classes at the university if they so desire. N.B. Students who enroll in the School in Florence for the full year may transfer a maximum of 7 units towards the Italian major. One semester juniors may transfer a maximum of 4 units

Joint Major: The Italian component of a joint major will consist of at least seven units beyond IT 101–102 including Senior Seminar credit. A Joint Major is expected to spend one semester at the School in Florence, either during the fall or spring semester.

ITALIAN SCHOOL IN FLORENCE

The following is a representative list of courses offered in the last few years for Juniors in the Middlebury Florence program:

History of Contemporary Italy

19th and 20th Century Italian Literature

Art in Tuscany before the Renaissance

Introduction to the High Renaissance and Mannerism

Patterns and Problems of Renaissance Literature

Language Analysis and Practice

Advanced Grammar and Composition

Ten Golden Years of Italian Cinema

The Cinema of Pasolini and Bertolucci

History of Italian Narrative

The Italian Political System

Art in Tuscany: 15th to 17th Century

Renaissance Theatre

The Cinema of Roberto Rossellini

Dante

IT 101 Intensive Beginning Italian Fall
Mr. Skubikowski, Ms. Zupan

IT 102/WT Intensive Beginning Italian
Winter

A continuation of IT 101, required for enrolling in IT 102. Ms. Zupan, Staff

IT 102 Intensive Beginning Italian
Spring
Ms. Zupan, Staff

IT 251 Intermediate Italian: An Introduction to Contemporary Italy Fall
Mr. Skubikowski
Staff

IT 252 Advanced Italian: Readings in Contemporary Prose Spring
Staff

***IT 290 Dante (in English)** Spring
Ms. Zupan

IT 354 Epoche della Letteratura Italiana I: Introduzione al Periodo Moderno Fall

This course acquaints students with the major 19th and 20th century works and movements and develops the students' linguistic, critical and analytical skills. The readings will introduce literary genres within a chronological framework. Special emphasis will be placed on the skill of writing in Italian.
Ms. Zupan

IT 355 Epoche della Letteratura Italiana II: Introduzione al Medioevo al Rinascimento Spring

Students will continue to develop critical and analytical skills through a careful reading of excerpts from the literary masterpieces of the Italian Middle Ages and the Renaissance.Beginning with Dante's poetic predecessors, we will then consider late medieval prose and poetry through a selective reading of Dante, Boccaccio and Petrarch. After examining literary Humanism, we will analyze the major themes of Italian Renaissance literature to Machiavelli.
Mr. Skubikowski

IT 459 Modern Italian Literature and Culture Fall
Staff

IT 490 Dante in Italian Spring
Mr. Skubikowski

IT 550 Independent Study Fall, Spring
Staff

IT 750 Senior Seminar

IT 755 Seniors Honors Project Spring

1. Honors Thesis for Italian majors

Requirements:

See *1989–1990 Catalog*. Note the following change:

2. The student must have a topic which he/she wants to develop into an Honors Thesis

JAPANESE

Professor: Hiroshi Miyaji *Associate Professor:* Nobuo Ogawa (on leave winter and spring terms) *Assistant Professors*: Linda Keenan (on leave all year), Kyoko Takashi. *Visiting Instructors:* Carole Cavanaugh, Hiroko Yanagida

JA 101 Beginning Japanese Fall
Mr. Ogawa

JA 102/WT Beginning Japanese Winter
Ms. Takashi

JA 102 Beginning Japanese Spring
Ms. Takashi

JA 201 Intermediate Japanese Fall
Ms. Takashi

JA 202 Intermediate Japanese Spring
Ms. Takashi

JA 301 Advanced Japanese Fall
Mr. Ogawa

JA 302 Advanced Japanese Spring
Staff

JA/HI 335 Traditional Japan Fall
Staff

JA/HI 336 Modern Japan Spring
Staff

JA 401 and 402 Advanced Reading
Fall, Spring
Ms. Cavanaugh

LITERATURE COURSES

JA 216 Traditional Japanese Literature in Translation Fall

An introduction to the forms of Japanese literature from ancient times to the late Middle Ages, including poetry, narrative prose and drama. The tension and interplay between spontaneous expression and the impetus toward formalization will be discussed through readings of poems, folk tales, diaries, fiction and *Noh* plays. Works will be read and discussed in English. Ms. Cavanaugh

JA 220 The Novel and the Novelist in Modern Japan (in English) Spring

An examination of the impact of European models on the literature of Japan after 1868. The course will focus on the transition from prose–for–entertainment in the late feudal period to the serious fiction of the modern era. The struggle of Japanese writers to come to terms with the demands of the European novel while inventing a uniquely Japanese, colloquial literature will be discussed through readings in translation of representative works.
Ms. Cavanaugh

JA 226 Japanese Fiction: Image and Idiom (In English) Fall

An examination of some of the major works of modern Japanese fiction and their cinematic interpretation. Each short story or novel will be read and discussed, followed by a viewing and discussion of its film adaptation. How the Japanese interpret their literature, the problem of "translation" from medium to medium and differences in story–telling technique between fiction and film are some of the topics to be discussed. Works will be read in translation and films will have English subtitles.
Ms. Cavanaugh

LITERARY STUDIES

Director: Stephen Donadio

See 1989–1990 Catalog for description of the program and Major Requirements.

HISTORICAL

As published in the *Catalog*.

THEORETICAL

[EL 112 Mythologies Timeless and Timely, Traditional and Contemporary]

[CS/LS 260 Introduction to Literary Theory and Criticism]

EL 405 Theory and Practice of Narrative Spring

(See English Department listing for description).

COURSE LISTING:

[LS/CS 260 Introduction to Literary Theory and Criticism]

Not offered in 1990–91.

EL/LS 308 English and European Drama of the 17th and 18th Centuries Fall

Masterworks of playwriting from 1600 to 1800 by such dramatists as Webster, Congreve, Molière, Calderon, Goldoni, and Lessing. Emphasis will be placed on their art and ideas.
Mr. Bertolini

LS 500 Independent Reading Course Fall

Intended for majors in Literary Studies perparing for the senior comprehensive examinations. Mr. Donadio

LS 700 Special Research Winter
Mr. Donadio

LS 705 Senior Colloquium in Literary Studies Fall

Intensive reading in major texts in European and non–European literary traditions. The works to be considered this semester are Goethe, *Wilhelm Meister's Apprenticeship;* Tolstoy, *War and Peace*; Dostoevsky, *The Possessed* (The Devils); Proust, *Swann's Way*; Mann, *The Magic Mountain*; Joyce, *Ulysses*. (Open to non–majors with permission of the instructor.) Mr. Donadio

LS 710 Senior Honors Essay Spring

MATHEMATICS AND COMPUTER SCIENCE

Professors: John Emerson, Robert Martin (chair), Michael Olinick, Bruce Peterson (on leave all year) *Associate Professor:* Peter Andrews (on leave fall, winter). *Assistant Professors:* Priscilla Bremser, Matthew Dickerson, David Dorman, Claudia Henrion (on leave all year), William Peterson, Peter Schumer, Julie Simon. *Lecturer*: Janine Clookey

See the 1989–1990 Catalog for description of department and Major Requirements. Note the following changes:

Paragraph 9: The mathematics major includes a core sequence of analysis, algebra, and discrete mathematics and computer science. Each student will choose several electives, with the help of an advisor, in order best to fulfill the student's particular mathematical needs and goals. Mathematics majors are strongly encouraged to take the "transition to higher mathematics" course, offered each winter term, by the end of the sophomore year. Although not required for the major, this course contains material assumed as background in many upper division courses.

Requirements for Computer Science majors: CX 205, CX 213, CX 214, CX 223, CX 341; one theory course chosen from CX 241 and CX 423; four courses from CX 343, CX 322, CX 326, CX 328, MA 324, MA 302, MA 403, MA 200, and MA 318; CX 704 in the senior year.

MATHEMATICS COURSES

[*MA 105 Finite Mathematics: Probability, Matrices, and Programming]

***MA 106 Introduction to Statistical Science** Spring
Mr. W. Peterson

MA 112 Calculus I Fall, Spring
Staff

MA 113 Calculus II Fall, Spring
Staff

MA 127 Understanding Changing Systems Fall

Simulation is a dynamic act of imitation of one or more important features of the behavior of a real world system. The course begins with some simulation examples in gambling, sports, population dynamics, and hospital planning and moves on to more complex systems. Among the topics covered are analog and digital approaches, Monte Carlo methods, discrete event simulation, random number generators, deterministic and probabilistic simulation models, verification and validation. Each student will develop, implement, test and validate a simulation project. We will examine some simulation programs written in BASIC and Pascal and learn how to use the powerful simulation programming language SIMSCRIPT.
Mr. Olinick

MA 200 Linear Algebra Fall, Spring
Ms. Bremser, Mr. Dorman

MA 201 Multivariable Calculus Fall, Spring
Mr. W. Peterson, Mr. Schumer

MA 203 Topics in Linear Algebra and Differential Equations Spring
Ms. Simon

MA 205 Discrete Mathematics Fall
Mr. Martin

[*MA 227 Set Theory]

[MA 240/FS 034 History of Mathematics]

MA 302 Abstract Algebra I Fall
Mr. Dorman

[MA 310 Probability]

[MA 311 Statistics]

MA 315 Mathematical Models in the Social, Life and Management Sciences Spring

An introduction to the role of mathematics as a modeling tool and an examination of some mathematical models of proven usefulness in problems arising in the social and managment sciences. Topics will be selected from the following: axiom systems as used in model building, optimization techniques, linear and integer programming, theory of games, systems of differential equations, compute simulation, stochastic process. Specific models in political science, ecology, sociology, anthropology, psychology, and economics will be explored. (Permission.) Mr. Olinick

MA 318 Operations Research Fall

Operations research is the utilization of quantitative methods as an aid to managerial decisions. In this course, several of these methods will be introduced and studied in both a mathematical context and a physical context. Topics included will be selected from the following: classification of problems and the formulation of models, linear programming, network problems, transportation problems, shortest route problems, assignment problems, integer programming, non–linear programming queues, inventory problems, and game theory. (Permission.) Mr. W. Peterson

MA 321 Elementary Number Theory Fall

Divisibility and primeness. Number congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113.) Mr. Schumer

MA 324 Numerical Analysis Spring

Topics dealing with the numerical solution of mathematical problems on the computer such as numerical differentiation and integration, curve fitting, systems of equations, and numerical solutions of differential equations. (MA 214.) Mr. Andrews

MA 343 Principles of Compiler Design Fall

Introduction to the design and constructionof compilers and translators. Finite automata, lexical analysis, context–free grammars, top–down and bottom–up parting, translation, code optimization, code generation, symbol tables, run–time organization, error recovery. Term project involving adding capabilities to an existing compiler for a Pascal–subset language. (MA 214.) Staff

MA 401 Advanced Calculus Fall

An axiomatic treatment of the topology of the real line, real analysis and calculus. Topics include neighborhoods, compactness, limits, continuity, differentiation, Riemann integration and uniform convergence. (MA 201 and MA 203.) Mr. Emerson

[MA 403 Abstract Algebra II]

[MA 411 Elementary Topology]

MA 431 Complex Analysis Spring

An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions, Cauchy Integral Theorem and related topics. (MA 201 or permission.) Ms. Bremser

MA 432 Hyperbolic Geometry Spring

An introduction to hyperbolic geometry and 3–dimensional manifolds. The Mathematicsin this course ties together elementary ideas from geometry, linear algebra, complex analysis, and group theory. (MA 200 and MA 302). Mr. Weeks

MA 500 Advanced Study Fall, Spring Staff

MA 704 Senior Seminar Fall, Spring Ms. Henrion, Mr. Dickerson

COMPUTER SCIENCE COURSES

***CX 103 Introduction to Computers** Fall

An introduction to computers for those interested in acquiring elementary computer literacy. Exploration of both positive and negative aspects of computers in our society. Emphasis on contemporary uses of computers, especially microcomputers, in such areas as word processing, spreadsheet applications, data bases, and use of graphics. Introduction to programming with emphasis on problem solving, development of algorithms, and structured programming. Mr. Martin

CX 213 Computer Science I Fall, Spring Mr. Dickerson, Mr. Andrews

CX 214 Computer Science II Spring Mr. Dickerson

CX 223 Computer Systems and Assembly Language Programming Fall Mr. Martin

[CX 322 Geometry and Computer Graphics]

[CX 326 Artificial Intelligence]

CX 328 Cryptology Spring

Topics will be chosen from: the role of cryptology in electronic data processing, block and stream ciphers, the Data Encryption Standard, communication and file security, public key cryptology, host system cryptographic operations, authentication techniques, digital signatures, measures of secrecy for cryptographic

systems, information theory, advanced topics in mathematical cryptology. (CX 213.)
Mr. Martin

CX 341 Operating Systems Spring

The computer software and firmware that comprise the interface between user and hardware. Topics include process, storage and memory management, scheduling, I/O and security. [CX 214.) Mr. Martin

[CX 345 Programming Languages]

CX 421 Theory of Computation Fall
Mr. Dickerson

CX 423 Algorithms and Complexity
Spring
Mr. Dickerson

CX 500 Advanced Study Fall, Spring
Staff

CX 704 Senior Seminar Fall, Spring
Staff

MUSIC

Professor: George Todd (chair) *Assistant Professors:* Susan Cook James Grant, Gregory Vitercik (on leave all year)

Organist and Choir Director, Fletcher Professor of the Arts: Emory Fanning

The Music department offers courses in theory, history/literature, composition and performance. Majors are required to take MU 209–210, MU 311–312, MU 220 or MU 221 and MU 222, MU 260 or 261 or 306 or 307, MU 390, four 200–level or above elective courses in consultation with the advisor plus one or two units of senior work. In addition to the curricular requirements, majors are expected to participate for three semesters in departmental ensembles: Choir, Orchestra, Sound Investment or other approved Chamber Ensembles.

Honors: see *1989–1990 Catalog*.

***MU 101 Exploring the Art of Music**
Fall

This course is designed to provide the broadest introduction to the experience of music and its role in culture. Within this broad framework, a number of musical topics—technical, aesthetic, philosophical, social, historical, formal, theoretical—will be addressed. No attempt will be made to provide a historical survey of western art music, although historical perspectives will be introduced when relevant to other issues. Western art and concert music will be the focus, but examples from non–western and popular traditions will be included as well. Intended for the general student with a limited musical background. Ms. Cook

[MU 110 Basic Musicianship Skills]

MU 205 Performance Lab Fall, Spring
Staff

MU 209 Music I Fall
Mr. Grant, Mr. Todd

MU 210 Music II Spring
Mr. Grant, Mr. Todd

MU 220 Survey of Music History Fall
Staff

MU 221 Survey of Music History Spring
Staff

MU 222 Survey of Twentieth–Century Music History: Music in Our Time Spring

This course will examine a number of different individuals, trends, styles and genres which together have made up musical life in this century. Topics to be covered include: the beginning of a modern music aesthetic in the work of Claude Debussy, Igor Stravinsky, Charles Ives, Arnold Schonberg, the current work of a number of living composers, the birth and first decades of Rock and Roll and the evolution and influence of American jazz. Intended for all students, although previous experience with music will be helpful. Ms. Cook

MU 226 American Music Spring

This course will not follow a strict historical approach to the subject, but rather a number of composers, performers and genres will be explored in order to provide the broadest introduction to the diversity of the American musical experience. Among the people and topics to be covered are William Billings, Amy Beach, Duke Ellington, and Charles Ives, African American traditions, Tin Pan Alley song, the Broadway musical, and Vermont traditional music. The course is open to all students.
Ms. Cook

MU 250 Introduction to Music Through Electroacoustics Fall
Mr. Todd

MU 260 Making Music: Issues and Ideas Spring
Mr. Grant

[MU 261 Vocal Repertory]

MU 267 Gender and Music Fall

This course will examine how cultural notions of what it means to be male and female are represented in the institution of music and musical repertories. We'll examine traditions such as jazz, folk, and rock. In particular we will examine how women have made or performed music, where, in what context, and under what conditions. We will draw on related issues from the visual arts and literature and use perspectives from these fields as well. Prior expe-

rience with music or women's studies may be helpful, but is certainly not expected. Intended for all students. Ms. Cook

MU 306 Performance Class Fall
Mr. Fanning

MU 307 Performance Class Spring
Mr. Fanning

MU 309 Instrumental Composition: Piano and Woodwinds Fall

This advanced course in composition for acoustic instruments will meet in weekly seminars and private tutorials. Each student will compose two major works during the semester: one for solo piano, the other for woodwind quintet. At the end of the semester, there will be two concerts of the student's music performed by professional musicians. (MU 209/210).
Mr. Grant

MU 310 Instrumental Composition: Brass and Strings Spring

This advanced course in composition for acoustic instruments will meet in weekly seminars and private tutorials. Each student will compose two majors works during the semester: one for brass ensemble, the other for string quartet. At the end of the semester, there will be two concerts of the student's music performed by professional musicians. (MU 209/210).
Mr. Grant

MU 311 Materials and Literature I Fall
Staff

MU 312 Materials and Literature II Spring
Staff

[MU 331 History of Opera]

MU 350 Electroacoustic Music Composition Spring
Mr. Todd

MU 370 Mixed Media Fall

This course focuses on the composition of works involving music and other media – dance, theatre, art, video. Students must have music composition experience and an interest in collaborating with other students, not necessarily in the course, who are doing choreography, dramatic presentations, video or art projects. All works will be given at least oneperformance. Permission. Mr. Todd

MU 390 Junior Seminar in Music Spring
Staff

MU 500 Independent Study

MU 704 Senior Work

PERFORMANCE STUDIES

Please see *1989–1990 Catalog* and note the following changes:

Students who wish private instruction in piano (beginning and advanced), organ, harpsichord, cello, violin, viola, horn, clarinet, flute, classical guitar, saxophone, recorder or voice should enroll with the department before registration. Inasmuch as spaces are limited, auditions may be required.

Contracts must be signed before lessons begin and are binding. The fee ($175) is to be paid to the Cashier's Office upon receipt of a bill at the beginning of each term. No rebate is allowed for lessons missed except in the case of injury of continued illness. Performance studies consist of one lesson weekly.

For those students accepted for private instruction, the applied fee is waived if they are enrolled in MU 209, 210, 260, 261, 306, 307 and 700 and 500 courses.

Private instruction:

Piano: Ms. Campbell, Ms. Fanning, Ms. Koval–Paden, Ms. Smith

Organ: Mr. Fanning

Harpsichord: Ms. Cook

Cello: Ms. Davydov

Violin and viola: Mr. Gusakov

Flute: Ms. Janson

Voice: Ms. Nall, Ms. Messier

Guitar: Mr. Geoghegan

Horn: Mr. Parshley

Clarinet: Mr. McBride

Saxophone and recorder: Mr. Stusek

Middlebury Chamber Orchestra. Weekly rehearsals leading to the performance of music from all periods. Instrumentalists may arrange for an audition through the music department secretary. Staff

Sound Investment stage band plays the Big Band repertoire in concerts and special performances. Mr. Stusek

PHILOSOPHY

Professors: Lynne Baker, Stanley Bates (on leave spring term), Hiroshi Miyaji, Victor Nuovo (chair). *Assistant Professors:* Richard Arthur, Philip Gasper

INTRODUCTORY COURSES

***PA 150 Introduction to the Philosophical Tradition**
Fall, Spring
Mr. Bates, Mr. Nuovo

[PA 150B Introduction to Philosophical Tradition (CW)]

***PA 180 Introduction to Modern Logic** Fall
Mr. Arthur

[*PA 201 Ancient Greek Philosophy]

[PA 205 Human Nature and Ethics]

PA 212 Introduction to the History of Modern Science Fall
Mr. Arthur

Of all the chapters in the history of our intellectual tradition, one of the most exciting is that of the Scientific Revolution – the emergence in the 17th and 18th centuries of recognizably modern scientific concepts from the welter of ideas of the competing Scholastic, Pythagorean, Alchemical, Magical and Mechanical traditions. In this course we shall trace the development of key concepts in physics, chemistry and biology through a study of the contributions of such thinkers as Bruno, Kepler, Galileo, Boyle, Descartes, Newton, Van Helmont, Leibniz, Maupertuis and Buffon.
Mr. Arthur

[PA 216 Introduction to the Philosophy of Science]

HISTORY OF PHILOSOPHY

[PA 220 History of Materialism]

[PA 221 Gender and the History of Philosophy]

[PA 222 American Philosophy]

[PA 223 Introduction to Contemporary Philosophy]

[PA 224 Topics in Medieval Philosophy]

[PA 250 Early Modern Philosophy (CW)]

We shall trace the course of European philosophy from Descartes through Kant. Our focus, however, will be upon the British Empiricists: Locke, Berkeley, Hume and Reid, in particular their theories of mind and human knowledge. In this context, Leibniz' critical reading of Locke, and Kant's response to Berkeley's "idealism" and Hume's skepticism will also be considered. Mr. Nuovo

[PA 253 Confucianism and the Confucian Tradition in East Asia]

PA 254 Marx and Marxism Fall

An introduction to Marx's theories of politics, ideology and economics, his materialist framework for explaining social change, and his vision of postcapitalist society. We will examine how Marx's views illuminate contemporary social and political controversies concerning such issues as political violence, war, nationalism, racism, sexism, social inequality and the environmental crisis, and we will attempt to evaluate Marx's thought in light of historical developments since his death. Mr. Gasper

[PA 255 Kierkegaard, Marx and Nietzsche]

[PA 303 Philosophy of Aristotle]

SPECIAL TOPICS

[PA 206 Contemporary Moral Issues]

PA 207 Ethics and the Environment Fall

The first part of this course will be devoted to an examination of the moral life, how it is to be lived and judged and how the realm of nature, of animate and inanimate things and systems enters into the sphere of morality. Selected writings of Kant, Emerson and Thoreau will be read as well as more recent literature on the concept of "respect for nature." The second part of the course will be devoted to selected problems concerning conservation, preservation of wild areas, vivisection and other issues pertaining to the human use of animals.
Mr. Nuovo

[PA 209 Philosophy of Law]

PA 210 Contemporary Ethical Theory Fall

In this course, we shall explore some of the major texts on moral philosophy of the past twenty years. We shall begin with John Rawls' *A Theory of Justice,* which attempts to develop a substantive theory of justice, considering both his substantive theory and the methodology of the book. We shall also look at some critiques of Rawls. We shall then consider a series of works which consider whether substantive moral theory is possible, including Bernard Williams' *Ethics and the Limit of Philosophy* and Alasdair MacIntyre's *After Virtue.* [No prerequisites but PA 150, PS 102, or PA 205 would provide useful background.)
Mr. Bates

PA 217 Philosophy of Biology Spring

Modern biology is one of the most exciting areas of scientific enquiry. In recent years, controversies in biology have often raised important philosophical issues. More generally, developments in biology have led many philosophers to questions traditional accounts of scientific research, theories and explanation, and to reassess the relation of biology to other sciences. More generally still, the gradual acceptance of the fact that human beings are "modified monkeys" has led to important new work on traditional philosophical problems, for example in ethics and epistemology. We will examine questions in all of these areas. (Prerequisites: an introductory course in philosophy or

biology, or permission of the instructor.)
Mr. Gasper

[PA 230 Philosophy of Science]

PA 231 Philosophy of History Spring
Mr. Miyaji

[PA 232 Philosophy of Religion]

[PA 233 Aesthetics]

PA 234 Philosophy and Feminism
Spring

This course will explore themes in metaphysics and theory of knowledge from the point of view of recent writings of feminist philosophers. Questions to be considered include these: What has been meant by the term "objectivity"? Is there any sense in which objectivity, knowledge, and science are "masculine" concepts? To what extent is objectivity possible, or desirable? Are dualistic oppositions (like mind/body and self/other) the products of "masculine" thinking? We shall consider the presuppositions underlying these questions, as well as possible answers to them.
Ms. Baker

PA 256 Topics in Japanese Philosophy
Spring
Mr. Miyaji

PA 280 Intermediate Logic Spring

The course will focus on the formal properties of logical systems (and not their application to the analysis of natural reasoning). Topics to be discussed include completeness and consistency, logical paradoxes and self–reference, recursion theory, Tarski's theory of truth and Godel's incompleteness theorem. Our main text will be Douglas Hofstader's *Godel, Escher, Bach: An Eternal Golden Braid*. The aim throughout will be to connect the formal issues with broader philosophical questions, particularly concerning the nature of mind and the possibility of artificial intelligence. (Prerequisite: PA 180 or equivalent.) Mr. Gasper

[PA 310 Comparative Philosophy]

[PA 351 Theory of Knowledge]

[PA 352 Philosophy of Mind]

PA 354 Philosophy of Language Fall

Language is central to human activity. Its primary role is in communication, but we also use it to engage in countless other kinds of social interaction. And we probably think in a language. The philosophy of language seeks to describe and explain the properties which enable language to play its extraordinary important role in people's lives, and to explain what is involved in understanding a language. Topics to be discussed include theories of meaning, reference and truth, transformational grammar, linguistic competence, the innateness debate, and language and thought. (Prerequisite: PA 180 or permission of the instructor.)
Mr. Gasper

PA 355 Issues in the Philosophy of Time Spring

An investigation of some deep–rooted problems concerning time, some of them perennial – "Can there be time in the absence of change?", "Is becoming real or just a perceptual illusion?", "Is time continuous or discreet?" –some of them of more recent origin – "Is time travel possible?", "What is responsible for the arrow of time?" These issues will be examined both in historical context and in relation to modern science and philosophy. Students should be prepared to engage in serious study in the history of physics and philosophy in an effort to illuminate these vexing and exciting issues. (Some background in philosophy or natural science. PA 180 is recommended.)
Mr. Arthur

SEMINARS

See 1989–1990 Catalog for details.

[PA 405 Hobbes and Leibniz]

PA 407 Kant's Moral Philosophy Spring

An examination of Kant's writings on the foundation of ethics, on the virtues and political justice, on the possibility of world government and the end of history. Attention will also be paid to Kant's influence on the development of 20th century theories of social democracy and to the continuing relevance of his social thought. Mr. Nuovo

[PA 410 Wittgenstein]

PA 412 Philosophy of Nature Fall

Diverse interpretations of value have been presented through intellectual histories. Natural Philosophy began with the Ionians' endeavor to seek the basis and origin of physical world. Philosophy of nature thus may include metaphysics and extends to philosophy of science. In this seminar, however, we will examine a variety of views on nature, the world of physical objects and phenomena, in different philosophical traditions, particularly views of the relationship of man to the external world, its ontological, ethical, and aesthetic imports.
Mr. Miyaji

[PA 415 Contemporary Moral Theory]

[PA 416 Contemporary Aesthetics]

PA 500 Research in Philosophy
Fall, Spring
Staff

PHYSICS

Professors: Robert Gould, P. Frank Winkler, Richard Wolfson (chair). *Associate Professors:* Jeffrey Dunham, Robert Prigo. *Assistant Professors:* Angelika Behrooz, Stephen Ratcliff

See 1989–1990 Catalog *for description of department program and requirements for the major. Note the following changes:*

Paragraph 3:

Courses designed especially for non–science students are PH 155 (Introduction to the Universe), a First–year Seminar (Nuclear Technology: The Promise and The Peril), and PH 101 (Physical Reality and Human Thought) in the spring.

Paragraph 7 and 8:

Prospective majors must begin the physics sequence no later than the sophomore year. Starting in the first year allows more flexibility in the choice of courses and thesis topics.

For students planning graduate work in physics, PH 302 (Electromagnetic Theory), PH 330 (Advanced Mechanics), PH 350 (Statistical Mechanics), and PH 401 (Quantum Mechanics) are essential. In addition, MA 200 and MA 201 are strongly recommended for those anticipating graduate study. Most physics majors will find computer programming skills through the level of CX 213 extremely valuable.

Senior Program: The major program culminates with a three–unit senior thesis and comprehensive examination. The thesis involves a significant piece of experimental or theoretical research. Thesis topics in recent years have included work in astrophysics, laser spectroscopy, biophysics, holography, high–temperature superconductivity, ultrasonics, plasma physics, and nuclear magnetic resonance. The comprehensive examination is given in the fall term of the senior year. The department offers tutorial sessions in preparation for the comprehensive examination and for the Graduate Record Examination.

***PH 101 Physical Reality and Human Thought** Spring
Mr. Prigo

PH 109 Mechanics Fall, Spring
Mr. Prigo (Fall)
Ms. Behrooz (Spring)

PH 110 Electricity and Magnetism Spring
Mr. Wolfson

***PH 155 An Introduction to the Universe** Fall
(Prerequisite: high school algebra and geometry.) 3 hrs. lect., 1 hour lab/discussion.
Mr. Ratcliff

PH 201 Relativity and Quantum Physics (CW) Fall
Mr. Dunham

PH 202 Atomic and Nuclear Physics Spring
Mr. Dunham

PH 212 Applied Mathematics for the Physical Sciences Spring
(MA 113, PH 110.) 4 hrs. lect. Mr. Ratcliff

PH 221 Electronics for Scientists Fall
Mr. Wolfson

[PH 266 Contemporary Astronomy and Astrophysics]

PH 302 Electromagnetic Theory Fall
Mr. Wolfson

PH 311 Quantum Physics Applications Fall
Ms. Behrooz

PH 330 Analytical Mechanics Spring
An intermediate level course in the kinematics and dynamics of particles and rigid body motion. The topics will include: analysis and application of Newton's Laws of Mechanics; the concepts of work, energy and power; energy conservation; momentum and momentum conservation; torque, angular momentum, and angular mementum conservation. Lagrange's and Hamilton's formulations of classical mechanics will be introduced with emphasis placed on developing lasting problem–solving strategy and techniques. (PH 109, PH 212 or permission.) 3 hrs. lect./discussion.
Mr. Ratcliff

[PH 350 Statistical Mechanics]

PH 401 Quantum Mechanics Spring
Ms. Behrooz

[PH 402 Advanced Quantum Mechanics]

PH 405 Particle and Nuclear Physics Fall
This course will introduce students to the symmetry properties, conservation laws, and interactions associated with the "elementary particles," including composite objects (baryons, mesons), the fundamental particles (leptons, quarks), and the gauge bosons (photon, gluons, weak vector bosons). The gauge theories of the electric interaction and electric charge (quantum electrodynamics), the color interaction and color charge (quantum chromodynamics), and the weak interaction and weak charge (flavordynamics) will be outlined. Aspects of the Standard Model and Grand Unification will be discussed. The

course will end with a look at the nucleus and exemplary nuclear models. (PH 401 or permission.) Mr. Prigo

PH 500 Independent Study and Special Topics Fall, Spring Staff

PH 705 Senior Research and Thesis Fall, Winter, Spring Staff

POLITICAL SCIENCE

Professors: Eric Davis (on leave winter and spring), Murray Dry, Russell Leng (chair), Paul Nelson, Olin Robison, David Rosenberg. *Associate Professors:* Michael Kraus. *Assistant Professor:* Alec Stone *Visiting Assistant Professor:* Kenneth Basom, *Instructor:* Marianne Marchand.

Please see 1989–1990 Catalog for description of department and requirements for a major.

INTRODUCTORY COURSES

***PS 101 Introduction to Political Science** Fall Mr. Dry

PS 102 The American Political Regime Spring Mr. Dry

PS 103 Patterns of Government: Introduction to Comparative Politics Fall, Spring Mr. Rosenberg, Mr. Stone

PS 104 Introduction to American Political Processes Fall Mr. Davis

***PS 107 Politics and the Studies of Politics** Spring Mr. Nelson

POLITICAL THEORY

***PS 101** (See above)

***PS 107** (See above)

PS 317 Classical Political Philosophy Fall Mr. Nelson

[PS 318 Political Philosophy: Modernity]

[PS 401 Seminar on Political Philosophy]

PS 409 Seminar on Political Philosophy: Aristotle's Political Science Spring Mr. Nelson

AMERICAN POLITICAL INSTITUTIONS

PS 102 (See above)

PS 104 (See above)

[PS 208 The Politics of the U.S. Congress]

PS 211 Environmental and Natural Resources Policy Fall

An introduction to environmental and natural resources policy in the United States. The course will be divided into four sections: (1) the history of environmental/natural resources policy, (2) the foundations of the U.S. political system as they effect environmental/natural resources policy (e.g., democracy, capitalism, property rights), (3) the institutions and actors involved in environmental/natural resources policy (e.g., Congress, bureaucracy, interest groups), and (4) the policy making process in the environmental/natural resources policy area. Mr. Klyza

PS 305 American Constitutional Law: The Federal System Fall

Drawing mainly on Supreme Court decisions from separate reprints and Gerald Gunther's casebook, and also on interpretative books and essays, this course studies the Marshall Court, the Taney Court, the Civil War cases, the pre– and post–1937 Court, and the Warren and Burger Courts. The earlier cases focus on governmental powers in a federal system; the recent cases focus on the equal protection clause of the Fourteenth Amendment. A Mock Court case is anticipated. (Open to juniors and seniors with PS 102 or PS 104, and permission.) Mr. Dry

PS 306 American Constitutional Law: Individual Rights Spring

This course is primarily a study of the Supreme Court's interpretation of the Constitution's Bill of Rights and the Fourteenth Amendment's Due Process clause. The main subjects are the First Amendment freedoms of speech, press, assembly, and religion, the rights of the accused, as protected by Amendments Four through Eight, and other non–criminal rights of due process. Consideration will also be given to philosophic explanations of the nature of individual rights and their relationship to the obligations of citizenship and the powers of American government. A Mock Court exercise is anticipated. (Juniors and seniors with PS 102, or PS 104, and permission.) Mr. Dry

PS 310 American Public Policy Spring

The first part of this course will focus on the policy making process. We will examine the major stages of the policy process: agenda setting, policy formulation, adoption, implementation, and evaluation. During our examination

of the policy process, we will also pay special attention to the context in which policy is made (e.g., history, capitalism, liberalism). In the second part of the course we will focus on specific policy areas, such as agricultural policy and regulatory policy. Mr. Klyza

[PS 314 The Politics of American Urban Areas]

[PS 402 Seminar in Constitutional Law]

[PS 420 Seminar in American Politics]

PS 421 Perspectives on the Environmental Movement Fall

The purpose and focus of this seminar are to examine and analyze the environmental movement (concentrating on the United States)from a number of different perspectives (e.g., historical, economic, philosophical, legal, religious, political). These different perspectives will help us to better understand the environmental movement: where did it come from? what are its main points? is there one unified movement? what are the crucial differences within this movement? By examining the environmental movement from these different perspectives we will be able to gain greater insight into these questions. (Permission). Mr. Klyza

[PS 425 Seminar on the American Presidency]

Note: This course will be offered in Spring 1992, when it will focus on Presidential elections, and have PS 300 as a prerequisite.

COMPARATIVE POLITICS

PS 103 (See above)

PS 220 Asian Politics Spring

The course provides an introductory survey of politics and government in Asia. Basic institutions of power will be examined as well as current issues of domestic and foreign policy. Mr. Rosenberg

PS 223 Latin American Politics Fall
Ms. Marchand

PS 225 Comparative Politics: Western Europe Spring

A comparative study of the contemporary political systems of France, Great Britain, Italy, the Federal Republic of Germany and other nation states of Western Europe. Mr. Stone

PS 227 Soviet Politics Fall
Mr. Basom

PS 328 Comparative Communism Spring
Mr. Basom

PS 404 (See below)

PS 406 Seminar on Western Europe Politics Fall
Mr. Stone

PS 414 Seminar on Soviet Union and Eastern Europe Politics Fall
Mr. Basom

PS 415 Seminar on Latin American Politics: Change and Development Spring

(PS 223, PS 304 or permission.)
Ms. Marchand

INTERNATIONAL RELATIONS AND FOREIGN POLICY

PS 201 International Politics Fall, Spring
Mr. Leng, Ms. Marchand

PS 300 Political Methodology Spring

This course will deal with both the methods of political research and the application of those methods. Topics to be studied will include: research design, basic statistical techniques through applied regression, and interpeting and critiquing research results. We will conclude with an overview of the philosophy of social science. Mr. Klyza

PS 302 International Conflict Resolution Spring
Mr. Leng

PS 304 Global Political Economy of North–South Relations Fall
Ms. Marchand

PS 311 American Foreign Policy Fall
Mr. Stone

[PS 404 Seminar on the Global Political Economy]

[PS 405 Seminar on the Causes of War]

PS 408 Seminar on United States–Soviet Relations Spring
Mr. Basom

PS 412 Seminar on Diplomacy Fall
Mr. Leng

PS 430 Seminar on United States – Asian Relations Spring
Mr. Rosenberg

INDEPENDENT PROJECTS

PS 500 Advanced Projects
Staff

PS 700 Honors Thesis

PSYCHOLOGY

Professors: A. Hunt Ewell *Associate Professors:* Marc Riess (on leave all year), Bob Osborne (chair) *Assistant Professor:* William Frey *Scholar–in–Residence:* Eleanor Gibson

See the 1989–1990 Catalog for complete description of department program and requirements for a major. Note the following changes:

Required for the major in Psychology:

A. Eleven courses in Psychology including the following:

1. PY 105, 201 and 302.
2. Three courses from among PY 203, 204, 225, 226, 304, 306 and 325.
3. Two courses from among PY 207, 208, 300 and 301.
4. Two PY 400–level seminars.
5. One elective.

PY 105 Introduction to Psychology Fall, Spring
Staff

PY 201 Statistical Analysis Spring
Mr. Ewell

PY 203 Social Psychology Fall
Add: (Not open to Seniors except by permission.) Staff

PY 204 Personality Psychology Spring
Add: (Not open to Seniors except by permission.) Staff

PY 207 Conditioning and Learning Spring
Mr. Osborne

PY 208 Memory and Thinking Spring
Staff

PY 225 Child Psychology Fall
Staff

PY 226 Adult Development and Aging Spring
Staff

PY 300 Addiction Spring
Mr. Frey

PY 301 Physiological Psychology Fall
Change prerequisites to: (PY 105 or biology background or by permission.)
Mr. Osborne

PY 302 Research Methods in Psychology Fall
Mr. Ewell

PY 304 Child Psychopathology Fall
Mr. Frey

[PY 306 The Exceptional Child]

PY 325 Abnormal Psychology Fall
Mr. Frey

PY 350 Directed Research in Psychology Fall, Spring
Staff

[PY 411 Contemporary Issues]

PY 412 Issues in Clinical Psychology Spring
Mr. Frey

[PY 416 Limbic System]

PY 417 Physiological Basis of Learning and Memory Spring
Mr. Osborne

PY 420 Issues in the Psychology of Gender Fall
Staff

[PY 425 Seminar in Psychopathology]

PY 426 Freud and Psychoanalytic Theory Fall
Mr. Ewell

PY 500 Advanced Research Fall, Spring
Staff

PY 703 Honors Candidacy Spring
Staff

RELIGION

Professors: Robert Ferm, Steven Rockefeller (chair), Charles Scott *Associate Professor:* O. Larry Yarbrough *Assistant Professors:* John Keenan, Robert Schine, Katherine Sonderegger

Change the first paragraph of the department program description to the following:

Courses in religion are designed to acquaint students with the history of a variety of religious traditions and with contemporary approaches to the study of religious life and thought.

Please see the *1989–1990 Catalog* for information about requirements for the major.

INTRODUCTORY COURSES

***RE 105 An Introduction to the English Bible** Fall
Mr. Yarbrough

[RE 110 Foundations of Western Religious Life and Thought]

RE 115 Introduction to Eastern Religious Thought Spring

An introduction to the major traditions and themes of Asia: Hinduism, Buddhism, Confucianism, and Taoism. Central themes from these traditions will be studied through principal scriptures and texts of each tradition.
Mr. Keenan

RE 120 Human Questions: Religious Responses Fall

Human beings love and hope; labor and rest; question, doubt, suffer and die. We will examine the richness of the religious life as reflected in the practice of prayer and contemplation; social action; study and systematic thought; and of literary creation and interpretation. Figures studied include Augustine, Karl Barth, Martin Buber, Dorothy Day, Emil Fackenheim, Flannery O'Connor, Blaise Pascal, Martin Luther King, Howard Thurman, Paul Tillich.
Ms. Sonderegger

COURSES ON RELIGIOUS TRADITIONS

***RE 201 The Jewish Tradition** Fall
Staff

RE 202 Modern Judaism Spring
Staff

RE 204 The Christian Tradition Fall
Mr. Ferm

RE 209 The Hindu Tradition Fall

The development of Hindu tradition from its beginnings in the Indus Valley (c. 2500 BCE) to the modern thought of Gandhi. The course will treat classical texts and thinkers, as well as the global influence of Hindu tradition today. Focus will be on the Vedas, the Upanishads, the Bhagavadgita, the classical philosophy of Sankara, Gandhi, and the works of Joseph Campbell. Mr. Keenan

[RE 210 The Buddhist Tradition in India]

[RE 211 The Buddhist Tradition in Korea and Japan]

RE 212 Chinese Religions Fall

An introduction to the traditions of Confucianism, Taoism and Buddhism as they developed in Chinese history. The course will examine the context and teachings of Confucius, Lao Tzu and Chaung Tzu. It will move on to a consideration of the introduction of Indian Buddhism and its impact on Chinese patterns of thought and experience. The Buddhist philosophies of T'ien–T'ai and Hua–yen will be examined, as well as the popular movements of Pure Land and Ch'an. Mr. Keenan

[RE 214 The Tantric Tradition in India, Tibet, China, Japan]

[RE 217 Greco–Roman Religions]

***RE 220 The Shaping of American Religious Life** Spring
Mr. Ferm

COURSES ON TEXTS AND TOPICS

[RE 280 Studies in Hebrew Bible/ Old Testament]

RE 281 The Study of the New Testament Spring
Mr. Yarbrough

[RE 290 Feminism and Religion]

RE 292 Psychology of Religion Spring
Ms. Sonderegger

SEMINARS IN RELIGION

RE 301 Modern Views of God and Religious Life: The Nineteenth Century Fall
Ms. Sonderegger

RE 302 Modern Views of God and Religious Life: The Twentieth Century Spring

The outbreak of war in Europe marked the end of religious confidence in the "high moral character of the individual soul." The great themes of the 19th century – the role of faith and history, the recovery of scholasticism in theology, the moral mission of ethical monotheism – all are renewed in our period, but with a somber and realistic cast. While clearly a period of creative ferment, ours is a time of major theological re–statements within Judaism and Christianity. We will examine these reappraisals in such figures as Barth, Tillich; Maritain, Rahner; Rosenzweig, Buber.
Ms. Sonderegger

RE 303 Religion, Ethics, and the Environment Fall

This course seeks to clarify and explore the religious and ethical dimensions of the many critical environmental problems created by human civilization. It is especially concerned with the religious and ethical transformations which may be necessary if humanity is to live in harmony with nature. Selected readings from the Buddhist, Christian, Jewish, Islamic, and Native American traditions and from contemporary philosophers and environmentalists. (One RE 100 or 200 level course or permission.) Mr. Rockefeller

[RE 304 Seminar in Jewish Thought]

[RE 305 The Idea of God]

[RE 306 From Puritanism to the Gospel of Wealth]

RE 308 Seminar in American Religious History Spring
Add: (RE 220 or permission.) Mr. Ferm

RE 309 Seminar in Biblical Studies Spring

The topic for this year's seminar is Messiahs and Their Movements. It will examine the development of messianic ideas in various forms of Judaism and the adaptation of these ideas by Jewish and Hellenistic Christians. Texts to be examined include: the Hebrew Bible, the Septuagint, the pseudipigrapha, the Dead Sea Scrolls, Josephus, the New Testament, and other early Christian writings. Although the course will focus on the period from 150 BCE to 150 CE, attention will also be given to the development of messianic thought in later periods (by Maimonides, for example) and to the study of modern messianic movements. (RE 105 or RE 280 and 281 ot permission.)

Mr. Yarbrough

RE 310 Conflicts in Modern Religious Thought Fall

A seminar devoted to important debates since the Reformation of the Sixteenth Century, with major attention give to American religious history. Topics will include: Martin Luther and Desiderius Erasmus on the human will; the challenge of the Enlightenment to Orthodoxy; the antinomian controversy in New England; the "Americanism" issue in Roman Catholicism; the evolution/creationism controversy. Other topics will reflect the interests of the members of the seminar. Mr. Ferm

RE 311 Seminar in Buddhist Philosophy Spring

The topic of this year's seminar is "Mahayana Ethics." It will examine the doctrinal thinking that lies behind ethical decisions by studying Madhyamika philosophy, both in its Indian presentation and in the thinking of the Japanese Zen Master Dogen. Against that background, the seminar will consider a number of current ethical dilemmas, such as abortion, gay rights, disarmament, medical ethics, environmental issues, and other issues that may be of concern. Mr. Keenan

[RE 312 Buddhist and Christian Enlightenment]

[RE 314 Seminar in Christian Origins]

[RE 315 Conflict and Identity: Jewish–Christian Relations]

[RE 320 Seminar on the Holocaust]

RE 500 Independent Research Staff

RE 700 Senior Research for Honors Candidates Staff

With permission, the following cognate courses may be credited toward the requirements for the religion major.

CL 105 Introduction to Hebrew
CL 206 Intermediate Hebrew
HI 344 The Reformation
PA 232 Philosophy of Religion
PA 253 Confucianism and the Confucian Tradition in East Asia
SA 308 Sociology of Religion
SA 380 Anthropology of Religion

RUSSIAN

Professors: Thomas Beyer (chair), Sergei Davydov (on leave spring term) *Assistant Professors:* Ann Marie Basom, Kevin Moss (on leave fall term) *Visiting Assistant Professor:* Karen Black *Lecturers*: Alexandra Baker, Judith Olinick

The following courses taught in English by the Department of Russian are open to majors in other departments: *RU 151, Russian Literature's Golden Age; *RU 152, Revolutionary Literature in a Revolutionary Society: Russian Modernism; RU 251, Epic, Myth, and Ritual in Soviet Literature; RU 351, Dostoevsky; RU 352, Tolstoy; RU 353, Russian theatre; RU 354, Chekhov; RU 356, Russian Literature of the 60's and 70's.

See 1989–1990 Catalog *for additional Departmenl program description.*

RU 101 Beginning Russian Fall
Mrs. Baker and Staff

RU 102 Beginning Russian Spring
Mrs. Baker and Staff

***RU 151 Russian Literature's Golden Age : 1830–1880 (In English)** Fall
Mr. Beyer

***RU 152 Revolutionary Literature in a Revolutionary Society: Russian Modernism: 1880–Present (In English)** Spring
Mr. Moss

RU 201 Intermediate Russian Fall
Mrs. Baker and Staff

RU 202 Intermediate Russian Spring
Mrs. Baker and Staff

RU 251 Epic, Myth and Ritual in Soviet Literature (In English) Spring

This course will examine the role of literature in Soviet culture in the light of theories of myth in traditional societies and in comparison

to some of the earliest literary embodiments of myths. We will compare the major ritualized literary genres of ancient Greece, epic and tragedy, with the most important genres of the Soviet period, the socialist realist novel and film. Mr. Moss

RU 301 Russian Conversation and Composition Fall
Ms. Black

RU 302 Russian Conversation and Composition Spring
Ms. Black

RU 323 Russian Culture and Civilization Fall
Mr. Davydov

RU 324 Russian–Soviet Culture and Civilization Spring
Mr. Beyer

RU 351 Dostoevsky (In English) (CW) Spring

A study of major works and their historical background. Lectures on materials not available to non–Russian scholars. No knowledge of Russian is required. Ms. Basom

[RU 352 Tolstoy (In English)]

[RU 353 Russian theatre (In English)]

RU 354 Chekhov (In English) (CW) Fall

The development of Chekhov as a short story writer, dramatist, and Russian literature's first conscious modernist. The majority of the course will be devoted to an analysis of Chekhov's "mature" stories (post–1885) and his four major plays. No knowledge of Russian is required. Ms. Black

[RU 356 Russian Literature of the 60's and 70's]

[RU 401 Advanced Language Study]

[RU 402 Advanced Language Study]

RU 500 Advanced Studies in Language and Literature Fall, Spring

Supervised individual study for highly qualified students. Staff

RU 700 Senior Independent Study Project Fall, Spring
Staff

RU 704 Senior Seminar Fall

Topic to be announced. (Senior Majors.)
Mr. Davydov

RU 704 Senior Seminar Spring

Topic to be announced (Senior majors.)
Staff

See 1989–1990 Catalog for courses in the Middlebury program at the Pushkin Russian Language Institute in Moscow.

RUSSIAN/SOVIET AREA STUDIES PROGRAM

Participating Faculty: David Macey, Director (History), Alexandra Baker (Russian), Ann Marie Basom (Russian), Kenneth Basom (Political Science), Thomas Beyer (Russian), Karen Black (Russian), Sergei Davydov (Russian), Gail Fondahl (Geography/Northern Studies), Michael Kraus (Political Science), Ronald Liebowitz (Geography), Kevin Moss (Russian), Judith Olinick (Russian), Olin Robison (Political Science), Catherine Sokil (Economics).

Note the following changes to Requirements published in the *1989–1990 Catalog*:

Departmental Honors: Students who have a B+ average or better in their courses in the program may elect to seek Honors by writing a two–semester thesis (RS 700). Ideally, the thesis will begin as a seminar paper. Permission for this project must be obtained in advance. Honors are conferred or denied on the basis of the thesis grade, following an oral examination.

Course Requirements: Change the last sentence to: Only those who are unable to study in the Soviet Union will take option B.

OPTION A:

Change list of courses under (b) to read: ...or EC 330, EC 430, GG 422, HI 248, HI 404, NE 482, PS 328, PS 408, PA 414, RS 500, RS 700, or RU 704.

OPTION B:

Change list of courses under (b) to read: ...or EC 330, EC 430, GG 422, HI 248, HI 404, NE 482, PS 414, RS 500, RS 700, or RU 704.Note that courses listed in options A and B may be supplemented by graded winter term courses...

Course Listing:

Make the following changes to the list of courses provided at the end of the program description:

Add: **NE 482 Circumpolar North**

Change PS 408 title to:

PS 408 United States–Soviet Relations

SOCIOLOGY/ ANTHROPOLOGY

Professors: David Andrews, Rudolf Haerle (chair), Margaret Nelson *Associate Professors:* David Napier, E. Burke Rochford (chair) *Assistant Professor:* Ellen Basu (on leave all

year) *Instructor:* Frank Fairfax *Visiting Instructor:* Susan Brownell

See 1989–1990 Catalog for additional departmental program and requirements for a major.

INTRODUCTORY COURSES

SA 103 Selected Topics in Socio–Cultural Anthropology Spring

Through ethnographies and visual media, this course introduces the student to the enormous differences among the peoples of the world; but it also considers the question: What is common to humankind? The course moves from simple to complex societies, showing how kinship and gender, political and economic practices, and language and ideology have similarities and differences in societies of various levels of complexity. The goal is for students to think critically about Western culture and to better understand its seemingly huge differences with non–Western cultures. Ms. Brownell

***SA 105 Society and the Individual: Issues in Freedom and Constraint** Fall

How is social order possible? What is the nature of society? What is the relationship between the individual and society? Are individuals free to behave as they wish? In attempting to answer these questions, we shall apply the sociological perspective, with its debunking motif, as a unique form of consciousness. To explicate this perspective, emphasis will be given to the original writings of Karl Marx, Max Weber and Emile Durkheim. Their ideas will be applied to selected contemporary social problems. (This course serves as an introduction to sociology.) Mr. Haerle

[SA 170 Anthropology Through the Arts]

SA 190 The Evolution of Humans and Prehistoric Cultures Fall Mr. Andrews

***SA 191 Introduction to Women in Social Thought** Fall

An understanding of the manner in which the distinction between the sexes serves as a basic organizing principle within human societies is essential to all social scientific investigations. This course will offer students an introduction to how social thinkers have dealt with this issue. First, a brief history of women in America will be covered. Second, the contributions of contemporary social scientists to our understanding of women's secondary status will be studied. Third, we will evaluate several varieties of feminist thought. Ms. Nelson

THEORY AND METHOD

SA 205 Topics in Social Thought – Stability and Change Fall

Sociologists and anthropologists show similarities as well as differences in their approaches, though their goals are basically the same: ultimately, the description and analysis of human society. We shall compare approaches to common problems in the two disciplines and we shall see how differing use is made of common concepts. The differences between the two disciplines will be examined, but throughout the emphasis will be on synthesis and integration. Ms. Nelson

SA 301 The Research Process–Sociology Spring Mr. Haerle

SA 302 The Research Process–Anthropology (CW) Fall

Add: This course will satisfy the Intensive Writing requirement. Delete: (SA 103) Mr. Andrews

SOCIAL ORGANIZATION AND COMPARATIVE INSTITUTIONS

SA 304 Women, Culture and Society Spring

This course looks at gender roles in different cultures (primarily non–Western) in order to shed light on the question: are women everywhere subordinate to men? This question raises difficult issues, such as: How does one compare "power" cross–culturally? Are "masculinity" and "femininity" similar in all cultures? Are gender inequalities rooted in biology, culture, or both? Does the Western feminist view apply to non–Western cultures? This course won't have all the answers, but it should help students more critically evaluate male–female relations in their own culture. Ms. Brownell

[SA 307 Social Movements and Collective Action]

[SA 308 Sociology of Religion]

SA 315 Sociology of Education Spring

An examination of education as both a social institution and social process. Topics include the relation of educational institutions to other social structures, the bearing which factors such as gender, class, race and ethnicity have on the quality and content of the schooling process, and the actual and potential role of education as an agent for social change. The substantive focus will be on American society. (This course will receive Teacher Education credit.) Ms. Nelson

SA 316 The Sociology of Youth Spring

In the United States, the transition to adulthood is vaguely defined, resulting in an adjust-

ment period characterized by "sturm und drang." The problems to which this course addresses itself spring from a set of historical, demographic, biological, cultural, economic and institutional forces and developments. Within the framework of a youth culture and peer group support, we shall explore the following types of issues: problems of social and sexual identity and maturity, youth in history and fiction, alienation and political activism, the generation gap, athletic participation and educational experiences, training for work and occupational aspirations, juvenile delinquency, and an overarching concern with ethnic and class differentiations. Mr. Haerle

SA 338 Power and Authority in World Cultures Spring

This course is concerned with the exercise of power and authority in various human societies, focusing on values, structures, roles, and the processes of change. The societies studied by anthropologists include those with formal government apparatus, as well as those without, where connections among political functions, kinship, and religion are especially close. Thus, this course deals with societies along a continuum from the small, band–organized to the modern state. Mr. Fairfax

SA 345 Work, Leisure, and Sport Fall

Major focus on work as a social and organizational phenomenon from two complementary points of view: 1) the sociology of occupations and professions, stressing careers, the process of professionalization, and autonomy vs. bureaucratic structure, and 2) industrial sociology, with emphasis on alienation and the conflict of formal and informal structures. Implications of change in the meaning and organization of work for problems of leisure and sport. Cross–cultural examples (e.g., Japan) will be examined. Mr. Haerle

SA 347 Language in Culture and Society Fall

This course focuses on the role of language in (primarily non–Western) societies, showing the utter importance of language in human evolution and in human societies. Language makes social life possible; it is important in both escalating and resolving social conflicts and is the foundation of democratic leadership. The course considers such questions as: What do language universals tell us about human nature? Is our view of the world completely dependent on the language we speak? Why do we feel so strongly about accents and "incorrect" use of language? What is the social significance of gender differences in language? The aim is to give students a new perspective on a behavior that permeates every facet of human life. Ms. Brownell

SA 380 The Anthropology of Religion Fall

The anthropology of religion is a study of the cultural implications of certain modes of religious thought. The function of specialists, such as shamans and priests, will be analyzed as will several aspects of social organization that have a religious foundation. Emphasis will be placed on traditional non–Western and tribal societies. Mr. Napier

SA 385 Medical Sociology Spring

An introduction to the social organization of modern medical care. Problems of communication and role relationships among professionals and between patients and medical personnel. The impact of structures and role relationships on the quality and quantity of medical care and on the use of resources will be examined. Analysis of the sick role and the impact on illness. An exploration of our social activities – economic, residential, familial – in relation to our health. Ms. Nelson

[SA 390 The Sociology of Women]

AREA STUDIES

SA 321 Native Peoples of North America Spring

This course focuses on the aboriginal people inhabiting the area extending from northernmost Alaska to the southern frontiers of the Maya empire in Central America. We will consider their origin and how they became differentiated from a widespread hunting and gathering life to one that included ranked and stratified societies, the latter organized in the form of States, e.g. Aztec and Maya. We will consider what happened to these people after European contact as well as their contemporary condition. 3 hours lecture, 1 hour film. Mr. Andrews

[SA 322 Native Peoples of South America]

SA 326 Latin American Culture and Society Spring

This course examines the features that distinguish the Latin American cultural area as seen from an anthropological perspective. After examining the several frameworks of sub–cultures and social classes, we then examine the Latin American cultural values and their social manifestations e.g., machismo, caudillos, co–Godparenthood. We will also discuss the implications of the Latin American socio–cultural milieu for the development process. 3 hours lecture, 1 hour film. Mr. Andrews

SA 332 African Peoples and Cultures Fall

Mr. Fairfax

SA 335 Chinese Society and Culture Fall

The lecturer will draw on recent research in mainland China to introduce the student to Chinese society and culture. Slides and films will be shown. The course covers the modern continuities with traditional China — in such realms as kinship, gift exchange, and esteem of education — as well as the discontinuities due to China's emergence as a socialist nation. Some of the changes brought by socialism include an altered role for women and for intellectuals in Chinese society, student demonstrations, and huge rituals of nationalism. The examination of the clash of Western culture with this ancient civilization aims to help students appreciate how Western culture influences even the most "exotic" countries in today's world. Ms. Brownell

[SA 336 Indian Society]

SA 367 African–American Anthropology Spring

This course examines continuities and transformations of institutions and culture among African descendants in the New World. We consider the Caribbean and South America, and especially African Americans in the United States, to appreciate common elements shared due to African heritage, and differences stemming from new circumstances and contact with European and native American peoples. We look at the impact of slavery and socioeconomic deprivations on institutions such as the family and churches, and on the very fundamental notion of racial or ethnic identity. Other topics include language and communication, music and expressive culture, and movements intended to promote positive social change. Mr. Fairfax

SOCIAL PROCESS AND SOCIAL PROBLEMS

[SA 341 Urban Anthropology]

[SA 343 American Community Studies]

SA 352 Social Psychology Spring
Mr. Rochford

[SA 354 Ethnic Groups in the United States]

[SA 355 Race and Ethnicity]

SA 373 Anthropology of Music Fall

This course examines music from the perspectives of ethnomusicology. This is a field that draws from musicology, sociology, and folklore as well as anthropology, and considers the part music plays in diverse human societies. The class reviews general concepts in ethnomusicology. It also considers several specific "musical cultures" — involving the verbal and social behaviors, historical contexts, symbolic connections, and processes of creativity associated with musical performances — from several regions of the world. Students in this class do not need to be musicians. We do, however, cultivate the ability to listen to musical examples discriminatingly. (SA 103 or permission). Mr. Fairfax

SA 382 Symbolic Anthropology Spring

As the anthropological study of symbols and symbolic systems, this course examines the role of symbols in structuring society and expressing social ideas. Special attention will be given to the questions of how symbols are legitimized through the symbolic language of myth and how they act to codify social identity. Mr. Napier

SA 388 Deviance Fall
Mr. Rochford

[SA 396 The Sociology of Death and Dying]

[SA 488 Seminar on the Sociology of Emotions]

SA 489 The Sociology of Mental Illness Spring
Mr. Rochford

SA 500 Advanced Individual Study Fall, Spring
Staff

SENIOR PROGRAM

SA 700 Senior Essay Fall
Staff

SA 710 Senior Thesis Fall, Winter
Staff

SPANISH

Professors: Alicia Andreu, Roberto Veguez (on leave all year). *Assistant Professors:* Eduardo Béjar, Gladys White. *Instructors:* José Alberto Portugal. *Lecturer:* Judith Liskin–Gasparro, *Assistant:* Marisa Jiménez

In its program of studies in Spanish, the department of Spanish/Italian is committed to the twofold aim of developing in its students a full command of the language as well as a mastery of a body of knowledge reflecting the rich contribution of the Hispanic peoples to the world's literature and culture. The early courses concentrate on the rapid and thorough development of the fundamental language skills in preparation for the more advanced courses in language, literature, and culture and civilization. Integrated with the department's offerings are the Middlebury Program for juniors in Madrid and the Middlebury Summer Language School of

Spanish, including intensive courses from the beginning level. Upon approval, students may opt to study in Spanish America. Non–majors are encouraged to take advantage of these opportunities to widen their educational horizons by studying in the context of another cultural milieu. Majors are encouraged to supplement their programs by selecting, in consultation with the department, courses from related areas.

Major Program: The major consists of a minimum of eleven courses, including the following: 1) SP 300; 2) at least two literature courses at the 300 level (not including SP 300); and 3) at least one advanced course beyond the 300 level during the senior year. No more than two courses at the 100 level or from the 201–219–220 sequence may be counted toward the major. SP 101, 102, 103 and 201 do not fulfill the distribution requirement; either 219 or 220, but not both, may count toward the distribution requirement.

Joint Majors: See *1989–1990 Catalog* for details.

Programs Abroad for Juniors: The department expects that majors will spend at least one semester in residence in a Spanish–speaking country. Middlebury offers both year and semester programs in Madrid. Students who are interested in going abroad and who are also double or joint majors or are thinking of participating in the Teacher Education Program should consult with their advisors in both areas as early as possible to avoid any conflict in plans. Students planning to go abroad are required to have taken SP 300. The deadline for applications is March 1. Students interested in attending the program in their junior year should consult the dean of the Spanish School, preferably before registration for fall semester of their sophomore year.

See 1989–1990 Catalog for representative list of courses offered in the Middlebury Program for junior in Madrid in the last few years..

Honors: Upon completing an advanced course beyond the 300 level during the fall semester of the senior year, the student may be nominted as an Honors candidate (SP 705). The department will award Honors, High Honors, Highest Honors on the basis of the student's thesis completed in SP 705 and his or her previous work in the department.

A Spanish major will be expected to have a thorough command of the language, to be conversant with the major currents of Hispanic literature, and to have a broad knowledge of Hispanic culture gained through the experience of courses at Middlebury and study abroad.

SP 101 Intensive Beginning Spanish Fall
Ms. Liskin–Gasparro and Staff

SP 102 Intensive Beginning Spanish
Winter
Staff

SP 103 Intensive Beginning Spanish
Spring
Ms. Liskin–Gasparro and Staff

[*SP 130 Latin American Literature: Chronicles of Change]

SP 164 Contemporary Spanish–American Writing (in English) Spring

This course will study the new literature that has been coming out of Spanish America since the early 1960's. Staff

SP 201 Intermediate Spanish
Fall, Spring
Mr. Béjar, Ms. White

SP 219 Self–Expression in Spanish (CW) Fall, Spring

One Section satisfies the College Writing requirement. Ms. Liskin–Gasparro, Mr. Portugal

SP 220 Spanish Conversation
Fall, Spring
Ms. Andreu, Ms. White

[*SP 231 Captains, Kings and Caudillos (in English)]

SP 300 An Introduction to the Study of Hispanic Literature
Fall, Spring
Ms. Andreu

[SP 301 The Literature of Spain from the Middle Ages to 1700]

SP 302 The Literature of Spain Fall

An introduction to the masterworks of Spanish literature. We will examine the historical and cultural backgrounds of the periods under study and discuss the literary works that best represent them. Students will be required to participate in class discussions, to do class presentations, and to take two exams. (SP 300 or equivalent). Ms. Andreu

[SP 303 The Literature of Spanish America from the Conquest to the Nineteenth Century]

SP 304 The Literature of Spanish America from the Nineteenth Century to the Present Fall

Add Prerequisite: (SP 300 or equivalent.)
Staff

SP 305 Interpreting Medieval and Renaissance Letters: Resistance and Différance Spring

Spanish Medieval and Renaissance letters are unique because of the cultural legacy of three peoples: Jews, Christians and Moors. This literature is also different from that of other European nations in its historical background and development. The objective of the course is to familiarize the student with the production of Medieval and Golden Age Spanish literature, presenting texts from both, Spain and Spanish America. The course explores the literature in relation to its historical and social contexts. Readings include complete texts of novels, poetry and drama from the two periods. (SP 300 or equivalent) Ms. White

SP 306 Modernism and the Generation of 1898 Spring

This course will study the literature of Spain and Spanish America at the turn of the century. (SP 300 or equivalent). Mr. Portugal

SP 356 Ideas and Cultures of Spanish America from the Conquest to the Present Fall

Mr. Portugal

400 level courses are seminars intended for seniors who have already completed SP 300 and two other literature courses in Spanish at the 300 level, or with permission of the instructor.

SP 402 Cervantes y el *Don Quijote* Fall

A detailed discussion and analysis of the *Quijote* with additional readings from major literary and cultural sources. Ms. White

SP 432 Short Story and Society in Spanish America Fall

Since the period of the wars of independence from Spain, the short story has been an effective means of representation of the social reality of Spanish America. This course will analyze a number of literary texts that are crucial in the formation of the Spanish–American identity. Authors to be studied will include Echeverria, Cortazar, Ferré, Poniatowska and others.

Mr. Béjar

[SP 433 Contemporary Spanish American Short Story]

[SP 440 Anti–Slavery Literature in Spanish America]

[SP 442 Latin American Women Writers: Expanding the Canon]

SP 446 History and Fiction in Contemporary Spain Spring

The Spanish Civil War and its representation in fiction. Through the study of key historical and literary texts plus films, this course will seek to provide an understanding of the ambiguous relationship between history and fiction. Authors will include White, Jackson, Cela, Laforet, de la Mora, Goytisolo and Delibes. Ms. Andreu

[SP 460 Love, Honor and Deceit in the Golden Age theatre]

SP 463 Nationalism and Literature in Mexico Spring

The Mexican Nation was "constituted" in the 19th century out of one of the old administative units of the Spanish Empire. Culture and particularly literature became crucial in this endeavor. Literature addressed the question of who belonged to the nation, what constituted national identity, and who were to be excluded. These concerns were not confined to the 19th century. The Mexican Revolution and the left–wing movements of this century redefined the nation but essentially still considered the novel as constitutive of national goals. Readings will include historical and literary works by Lizardi, Vasconcelos, Paz, Revueltas, and Fuentes. Staff

SP 500 Independent Study Fall, Spring

SP 705 Seniors Honors Thesis Spring

TEACHER EDUCATION

Associate Professor: Richard Dollase (chair), *Assistant Professor*: John Norman. *Lecturers:* Joanna Hall (on leave all year), Harry Lawrence, Betsy Thurber

While the Teacher Education Program is not a major, successful completion of all the requirements of the program will be registered on the student's transcript as a concentration. The program offers students opportunities to study educational issues and to prepare themselves as elementary or secondary teachers. Upon graduation, students who have successfully completed one of the programs described below are licensed to teach in the State of Vermont, whose licensee is recognized by the following states. (However, some states require a teacher competency examination before licensure will be granted.)

Alabama	New Jersey
California	New York
Connecticut	North Carolina
Delaware	Ohio
Florida	Pennsylvania
Hawaii	Rhode Island
Idaho	South Dakota

Indiana	Tennessee
Kentucky	Utah
Maine	Virginia
Maryland	Washington
Massachusetts	West Virgina
New Hampshire	District of Columbia

The initial Vermont Professional license (Level one: Beginning Educator's License) is for a three–year period. It may be renewed two more times for a total of nine years.

After successful completion of at least three years of teaching and the possession of a Master's degree or thirty (30) college hours beyond the Bachelor's degree, a Level One teacher is eligible for the Professional Continuing License (Level Two). The Level Two teaching license is renewable every five years.

Holders of the initial Vermont license who are teaching in another state must qualify for a regular professional license according to the requirements of that state.

Students interested in earning teacher licensure should notify the Teacher Education office of their interest as early as they can, preferably by the fall of sophomore year. Planning ahead will avoid conflicts later on. Students should plan on devoting a full term (4 course units) to their student teaching and their study of teaching methods.

Requirements for elementary licensure (K–6): *See 1989–1990 Catalog.*

Requirements for secondary licensure (7–12): *See 1989–1990 Catalog.* Please note the following changes:

1) Change *certification* to *licensure.*

The following Foundation of Education Course is highly recommended:

SA 315 Sociology of Education (See Sociology/Anthropology)

TE 201 Critical Issues in American Education Fall
Mr. Dollase

TE 202 Issues of Adolescent Development Spring
Mr. Dollase

TE 205 Methods of Teaching Language Arts in the Elementary School Spring
Staff

TE 210 Methods of Teaching Mathematics and Science in the Elementary School Fall
Staff

TE 220 Teaching Reading and Study Skills in Secondary School Subjects Fall, Spring
Mr. Dollase, Ms. Thurber

TE 230 The Profession and Practice of Educational Evaluation Spring

An introduction to the theoretical and practical frameworks of program evaluation in educational contexts. Specific seminar topics include, but are not limited to, the following: needs assessment techniques, social and political factors that influence the utility of evaluation, quantitative and qualitative approaches to measurement, guidelines for conducting formative and summative evaluations, data–gathering designs, sampling strategies, and measuring and assessing affective variables. Open to sophomores, juniors and seniors.
Mr. Norman

TE 305 Contemporary Topics in Higher Education Spring
(Open to juniors and seniors.) Mr. Dollase

TE 404 Curriculum Development in Elementary Schools
Fall, Spring
Staff

TE 405–406–407 Student Teaching in Elementary Education
Fall, Spring
Staff

TE 414 Problems and Methods in Secondary Education
Fall, Spring
Mr. Dollase, Ms. Thurber

TE 415–416–417 Student Teaching in the Secondary School
Fall, Spring
Mr. Dollase, Ms. Thurber

WINTER TERM COURSES

Children and the Arts Staff

Field Experience in Secondary Education
Mr. Dollase

THE PROFESSIONAL SEMESTER

Change *certification* to *licensure.*

THEATRE/DANCE/FILM/ VIDEO

Professors: Ted Perry, Chandler Potter, Douglas Sprigg (chair) *Associate Professor*: Andrea Olsen *Assistant Professors:* Cheryl Faraone, Arthur St. Leger Grindon, Richard Romagnoli, Arthur Tsuchiya *Lecturer:* Penny

Campbell, Donald Mitchell, Kim Bent *Technical Director:* Richard Forman *Technical Director for Dance:* B–St. John Schofield

See 1989–1990 Catalog for description of department program and requirements for a major. Note the following changes:

THE THEATRE EMPHASIS

Design: Design I (TH 211), Lighting Design (TH 213), Costume Design (TH 215), Production Studio: Design (TH 219/229)*, Spring Rep (TH 429)*, Art History (AR 101), Studio Art I (AR 209), Studio Art II (AR 210).

THE DANCE EMPHASIS

Change the second paragraph to:

Dance History (TH 284), Aesthetics (PA 233) Anatomy and Kinesiology (TH 276) and three terms of technique above the 200 level are required for the dance emphasis. Two courses chosen from the regular fall and spring course offerings in the dance program, two performance or design courses in theatre, and one course each in music and art complete the recommended program of study for the dance emphasis.

THE FILM/VIDEO EMPHASIS

The studies of film and video are viewed in their broadest cultural implications and as independent art forms. While course offerings stress the historical and critical study of film, opportunities exist for students to make films (using video) in course work and in junior and senior independent projects.

Students who select a film/video emphasis take Film Form and Film Sense (TH 130) as well as Sight and Sound (TH 235) or Screenwriting (TH/EL 240). They also must take Film History (TH 231), as well as one of the following: Film and Modernism (TH 330), History of Video (TH 333) or Japanese Cinema (TH 237). In addition, majors select, in consultation with their advisor, three additional film/video courses taught within the department during the regular term. Three additional related courses are required for the film/video emphasis; they are chosen, in consultation with the student's advisor, from among the college's regular term offerings in 20th Century art, history, political science, literature, theatre, literary criticism, aesthetics, and American culture.

Honors: and *International Major: See 1989–1990 Catalog.*

COLLEGE WRITING PROGRAM

If the student registers for the writing section, then TH 106 (Introduction to Drama Study), TH 206 (Contemporary Women Playwrights), TH 218 (Playwriting I), and TH 240 (Screenwriting Workshop I) fulfill the College Writing requirement.

DEPARTMENTAL COURSES

***TH 116 The Creative Process: Theatre, Dance, Film** Fall, Spring
Ms. Campbell, Ms. Faraone

TH 500 Intermediate Independent Project Fall, Spring

In their sophomore year, majors, in consultation with their advisors, will develop projects and submit proposal forms by April 15th of the previous term for those wanting credit in the fall term, by October 15th for those wanting credit in the winter term, and by November 1st for those wanting credit in the spring term. Proposals will conform to *Handbook* "500" course regulation, and to the stipulations in the *Producer's Guidelines,* which are available in the Wright Theatre Box Office. Staff

TH 700 Senior Project Fall, Spring

Change "October 1st" to "October 15th".
Staff

THEATRE COURSES

TH 102 Acting I Fall, Spring
Mr. Bent, Mr. Romagnoli

TH 106 Introduction to Drama Study (CW) Fall

Masterpieces of dramatic literature will be studied as a way of exploring the possibilities of dramatic communication. The primary objective will be to enrich the student's appreciation of the dramatic experience through an examination of the relationship between text, stage, audience, and culture. Course fulfills College Writing requirement. Staff

[TH 126 Theatre History]

TH 202 Acting II Spring
Mr. Sprigg

TH 206 Contemporary Women Playwrights: Searching for History and Illuminating the Present (CW) Spring

The course will include readings and discussions of the work of a number of the most influential and interesting American, Canadian, Australian and European playwrights of the 1970's and 1980's. Authors to be explored include Maria Irene Fornes, Caryl Churchill, Pam Gems, Wendy Kesselman, Corinne Jacker and others. The playwrights' concerns range from the domestic to the apocalyptic and their stylistic choices are equally wide ranging. In addition to the study of individual works, the course will also include an overview of the authors' rela-

tionship to the culture and to the art form. Places may be available for College Writing students. Ms. Faraone

TH 211 Design I Fall
Staff

TH 213 Lighting Design I Fall

Stage lighting is a unique craft, although it does have areas in common with architectural, film and TV lighting. The course examines theories applicable to all and design practice for the stage, leading to the planning and preparation of the light plot. Also includes studio experience relating theory to practice.
Mr. Potter

TH 214 Directing I Fall
Mr. Sprigg

TH 215 Costume Design I Fall

Introduction to costume design. Design projects concentrate on study of period dress, design elements, composition, drawing and rendering, and theatrical style as they relate to the play, the interpretation and the occasion. Previous experience in figure drawing is useful. (One of the following: TH 116, TH 126, TH 211). Staff

TH 216 American Drama: Contemporary Playwrights Spring
Mr. Romagnoli

TH 218 Playwriting I (CW) Fall

Course fulfills college writing requirement.
Staff

TH 221 Scene Design II Spring

A continuation of TH 211, with increasing emphasis, in class, on the design projects and their critiques. (TH 211) Staff

TH 223 Lighting Design II Spring

A continuation of Lighting Design I with increasing emphasis on the design and execution of practical projects. Staff

TH 225 Costume Design II Spring

Introduction to costume construction. Theory of practice with fabrics, patterns, cutting, fitting, etc. (TH 215 or permission). Staff

[TH 226 Modern Drama]

TH 228 New Plays: Playwright and Director Fall

A play is not completed until the playwright has had the opportunity to rethink and, if necessary, rework the script in the process of preparing it for production. In this course, playwrights who have produced advanced work in Playwriting I are given the opportunity to work on their scripts in conjunction with student directors, and directors who have taken Directing I are given the opportunity to collaborate with student playwrights on the development of new scripts. The course will produce play readings and a final evening of new works. (TH 218, TH 214, or permission.) Staff

TH 302 Voice for the Actor Spring

Using Kristin Linklater's book, Freeing the Natural Voice as its foundation, the course will introduce students to the physiological basis of voice production. By means of a series of interrelated physical and vocal exercises, students will discover ways of replacing restricting patterns of speech with patterns designed to unlock the voice's full potential for volume, resonance, and expressiveness. In addition, students will study and present passages of Shakespearean verse in order to explore ways in which their new vocal skills may be used to express their increased intellectual understanding.
Mr. Sprigg

[TH 306 Twentieth Century Experiments]

[TH 402 Acting III]

TH 412 Special Topics: Solo Performance Developing Original Work Fall

Through reading and through viewing the solo performances of representative, contemporary performing artists, students will gain an appreciation for the broad range of performance possibilities in solo work. Outside assignments as well as class exercises and improvisations will explore character work, adapting material from found sources, developing text from personal experience, and using music creatively in dramatic performance. The course will culminate with a public presentation of work in process. (Two performance courses and permission.) Mr. Bent

PRODUCTION STUDIOS

[TH 210 Production Studio: Acting/Directing]

[TH 219 Production Studio: Design/Production]

TH 220 Production Studio: Acting/Directing Spring

The cast, stage manager, and assistant director work as part of a company interpreting, rehearsing and performing the play. Those receiving credit can expect to rehearse four to six nights a week. Appropriate written work is required. Candidates for stage manager and assistant director should apply to the director of the production. (Permission required.)
Ms. Faraone, Mr. Romagnoli

TH 229 Production Studio: Design/Production Spring

Participation in the production process, from planning through strike. Students may work in all technical areas. Those with no experience are encouraged to participate. More advanced students concentrate their efforts in one or two areas with more responsibility. (Permission. Normally limited to freshmen, sophomores and juniors.) Staff

TH 410 Special Topics: Fall Production Company Fall

This course will focus on two productions. The Company will include students with varied interests (directing, designing, acting, technical production, costuming, stage management, etc.), and all will have opportunities for varied experience in all areas. The practical work will be complemented by discussions of the script, the work of the director or designer, casting philosophy etc. Admission by audition or interview. Mr. Perry, Mr. Sprigg

[TH 420 Special Topics: Spring Production Company]

[TH 429 Special Topics: Spring Repertory]

DANCE COURSES

TH 160 Introductory Dance Fall, Spring
Ms. Campbell, Ms. Becker

TH 161 Advanced Beginning Dance I Fall
Ms. Becker

TH 162 Advanced Beginning Dance II Spring
Mr. Schmitz

TH 260 Intermediate Dance I Fall
Ms. Olsen

TH 261 Intermediate Dance II Spring
Ms. Campbell

[TH 276 Anatomy and Kinesiology]

[TH 279 Movement Intentionality for the Stage]

TH 284 Dance History Spring

Introductory lectures and readings on the origins of movement in ritual, its meaning, social function, cultural/historical implications, and development as an art form. Concentration is then focused on the emergence of the 20th century modern and post–modern dance via such innovators as Duncan, Graham, Humphrey, Limon, Cunningham, Nikolais, Louis, Halprin, Monk and Tharp. Viewing of film and live performance aids in delving into the critic's world as both an historical study and a means to develop the ability to make aesthetic judgments about dance. Ms. Campbell

TH 360 Advanced Dance I Fall
Ms. Olsen

TH 361 Advanced Dance II Spring
Ms. Campbell

TH 380/381 Dance Company of Middlebury Fall, Spring
Ms. Campbell, Ms. Becker

TH 400 Special Topics in Dance Spring
Mr. Schmitz

FILM/VIDEO COURSES

***TH 130 Film Form and Film Sense** Fall

Delete: "One section fulfills the College Writing requirement. Mr. Grindon

[TH 231 Film History]

[TH 232 Independent Cinema]

TH/AC 234 American Film Genres Spring

The course will study the form and development of Hollywood film genres such as the western, the gangster film, the musical, etc. The conventions, archetypes and expectations of various genres will be outlined and their meaning analyzed. The historical transformation of genres will be highlighted. Generic development will be studied in relation to changes in American society, trends in popular culture and the evolution of the American film industry. Screenings, reading and written reports.
Mr. Grindon

TH 235 Sight and Sound Fall, Winter, Spring

Delete: ("Permission of the instructor.")
Mr. Perry, Mr. Tsuchiya

TH/EL 240 Screenwriting Workshop I (CW) Fall

Course fulfills college writing requirement.
Mr. Mitchell

TH/EL 241 Screenwriting Workshop II Winter

[TH 236 Television in American Culture]

[TH 237 Japanese Cinema]

[TH 238 Third World Cinema]

[TH 330 Film and Modernism in the Arts]

TH 331 Sight and Sound II Fall, Winter, Spring
Mr. Tsuchiya

[TH 332 Workshop in Film Criticism]

[TH 333 History of Video]

TH 334 Politics and Film Spring

This course will study the relationship between political values and film and television. The persuasive power of the moving image has shaped the political landscape of the 20th century. From Lenin's declaration that "the cinema is the most important of all the arts" to the advertising campaigns that speak from our television screens, the impact of film on political movements is enormous. A central problem addressed by the course will be the relationship between film form and political values. The course will investigate the political impact of cinema's rhetorical devices such as modes of editing and the treatment of the image. Both developments in the documentary film and ideological currents of the mainstream entertainment cinema will be explored. Among the issues to be considered will be the practice of television journalism, the debate over realism and modernism, and issues raised by Third World cinema and feminist criticism. (TH 130 or permission.) Mr. Grindon

[TH 335 Voyeurism and Cinema]

[TH 336 Women and Film/Video]

TH 337 Sight and Sound III Spring
Mr. Tsuchiya

WOMEN'S STUDIES PROGRAM

Participating Faculty: Margaret K. Nelson (Director) (Sociology–Anthropology), Alicia Andreu (Spanish), Lynne Baker (Philosophy), Ellen Basu (Sociology–Anthropology), Susan Brownell (Sociology–Anthropology), Catherine Campbell (Chinese), Nancy Coiner (English), Susan Cook (Music), Elizabeth Dore (History), Cheryl Faraone (Theatre, Dance and Film/Video), Diana Henderson (English), Helmut Liebel (German), Bethany Ladimer (French), Tamar Mayer (Geography), John McWilliams (American Literature and Civilization), Victor Nuovo (Philosophy), Nancy O'Connor (French), Robert Osborne (Psychology), Ted Perry (Theatre, Dance and Film/Video), Kirsten Powell (Art), Carol Rifelj (French), Katherine Sonderegger (Religion).

Women's Studies is an interdisciplinary major program which employs gender as a fundamental category of analysis. Students will develop interconnections among the fundamental questions raised by the scholarship on women through a selection of courses in the humanities, languages, social sciences and natural sciences. A major in Women's Studies examines the intersections of race, class, ethnicity and culture in the constructions and meanings of gender. Course work also emphasizes the contributions made by women to society and culture, literature and the arts, and history, and seeks to understand the experience and cultural production of women in a variety of social and historical contexts. A critical awareness of methodology (in the organization of knowledge and the frameworks for analysis) is important within each course in the major and throughout the body of the student's work.

Requirements for a Women's Studies Major: The major consists of a solid grounding in the theory and method of Women's Studies at the introductory level, advanced work in at least two different divisions of the College, specialized expertise within a traditional discipline (the field requirement), a seminar on the theory and method of Women's Studies, and a senior project. The minimum requirement for the major is ten courses in Women's Studies. Women's Studies majors must also complete a concentration in a division outside that of the student's field requirement cluster.

A. *Two Introductory Level Courses in Women's Studies:* Students must take courses in at least two different divisions. These may be chosen from among: the list of courses indicated below under introductory courses offered in Departments.

B. *Six to Eight "200–500" Level Courses in Women's Studies and a Discipline:* Students will satisfy three criteria here:

1. *Division Requirement:* Four upper level courses designated as Women's Studies courses in at least two different divisions. These courses may be taken from among the list of courses indicated below under advanced courses offered in Departments.

2. *Field Requirement:* Students will design a cluster of four related courses in a special field of interest. At least one of these courses must be a designated Women's Studies course. The "field" may be chosen from the offerings of a single department or discipline but, upon approval of the Program Director, may be composed of four clearly related courses from several departments. It is recommended that students take a "methods" course in the field discipline. No more than two of the courses which fulfill the field requirement may also fulfill the Division requirement.

3. *Non–Western Requirement:* At least one "non–Western" course. This must be satisfied by a course in the Field discipline or by a designated Women's Studies course.

C. *One "400" Level Course*: A seminar in the theory and method of Women's Studies to be taken during the student's junior or senior year (WS 400).

D. *Senior Work*: Students are required to complete a one–semester senior essay (WS 700) or a two–semester senior thesis (WS 710) apply-

ing the methods learned in the field and seminar work. A thesis advisor may be selected from among any of the program faculty. Students engaged in senior work will meet periodically during the semester.

Honors: To qualify for honors a major must have at least a B average in all courses taken to fulfill major requirements. Degree of honors will be based on senior work. (A student must write a thesis to qualify for honors.) Honors: Thesis grade of B+; High Honors: Thesis grade of A–; Highest Honors: Thesis grade of A or A+.

Courses Offered in Departments

(Please note that the list is subject to periodic revision.)

Introductory Courses

EL 114 **Reading Women's Writing**

FR 120 **Women Writers in France**

SA 191 **Introduction to Women in Social Thought**

(Appropriate Freshman Seminars)

Advanced Courses

AL 260 **Fiction by American Women**

AR 323 **Women in the Visual Arts**

[CS 216 **Women in Traditional Chinese Fiction]**

[*CS 220 **Modern Chinese Fiction]**

[EL 402 **Seminar: Modes of Reading: Drama, Gender, Class]**

FR 362 **Women and the Novel of the Ancien Regime**

GG 411 **Seminar in Economic Geography: Women in Development**

[GG 412 **Seminar in Urban Geography: Women and the City]**

GN 345 **Women Writers and Female Writings in German Literature**

HI 406 **American Women in History**

[HI 410 **Constructing Latin American Women's History]**

MU 267 **Gender and Music**

[MU 360 **Women in Music]**

[PA 221 **Gender and the History of Philosophy]**

PA 234 **Philosophy and Feminism**

PY 420 **Issues in the Psychology of Gender**

[RE 290 **Feminism in Religion]**

SA 304 **Women, Culture and Society**

[SA 390 **Sociology of Women]**

[SP 442 **Hispanic Women Writers: Expanding the Canon]**

[SP 450 **Women in Hispanic Literature]**

TH 206 **Contemporary Women Playwrights**

[TH 336 **Women and Film]**

(Courses marked with an asterisk change from year to year, and may not always give Women's Studies credit.)

Women's Studies Program Courses

WS 400 **Theory and Method in Women's Studies**

WS 500 **Independent Study**

WS 700 **Senior Essay**

WS 710 **Senior Thesis**

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